



Zootaxa 3511: 1–80 (2012)
www.mapress.com/zootaxa/

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Monograph

ISSN 1175-5326 (print edition)

ZOOTAXA

ISSN 1175-5334 (online edition)

urn:lsid:zoobank.org:pub:971797BF-F055-4D40-A1C9-0E510360A9F1

ZOOTAXA

3511

Molluscan taxa in the publications of the Museum Godeffroy of Hamburg, with a discussion of the Godeffroy Sales Catalogs (1864–1884), the *Journal des Museum Godeffroy* (1873–1910), and a history of the museum

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Magnolia Press
Auckland, New Zealand

Accepted by D.L. Geiger: 28 Aug. 2012; published: 9 Oct. 2012

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(*Zootaxa* 3511)

80 pp.; 30 cm.

9 Oct. 2012

ISBN 978-1-77557-022-6 (paperback)

ISBN 978-1-77557-023-3 (Online edition)

FIRST PUBLISHED IN 2012 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: zootaxa@mapress.com

<http://www.mapress.com/zootaxa/>

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ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

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Abstract

The Museum Godeffroy (1861–1885), a private natural history museum in Hamburg (Germany) founded by the merchant John Cesar VI Godeffroy, functioned as a research and public display museum, as well as a natural history specimen dealership. Large collections of zoological, botanical, ethnographic, and anthropological specimens were obtained by company employees and an international group of contract collectors, mostly in the Pacific, made available for study to specialists, and placed in the museum’s holdings or distributed by sale. The museum produced two series of publications, both containing descriptions of new zoological taxa as well as *nomina nuda*: a set of Museum Godeffroy *Catalogs* (1864–1884) and the *Journal des Museum Godeffroy* (1873–1910), both described and dated in detail herein. This paper summarizes the history of the museum and its collecting efforts, with special focus on malacological research and the development and fate of molluscan collections of the Museum Godeffroy, with much of the material having passed to Hamburg’s Naturhistorisches Museum where they were largely destroyed during World War II. Using a species-level numbering system, the Museum Godeffroy *Catalog* series (and the labels associated with Museum Godeffroy specimens that were sold and traded worldwide) introduced hundreds of gastropod and bivalve *nomina nuda* into the molluscan literature. Previously uncertain dating of the malacological publications in the Museum’s *Journal*, mostly by Rudolph Bergh on Pacific nudibranchs, similarly created taxonomic confusion as many of the supposedly new taxa were near-simultaneously published also in other serial publications. 591 molluscan names in the Museum Godeffroy *Catalogs*, and 59 in the *Journal* are discussed. It is shown that 42 molluscan names date from these publications, all of them gastropods: 1 (preoccupied) genus-group name and 4 replacement species names by J. D. E. Schmeltz, 5 genera and 31 species-group taxa by R. Bergh, and 1 species by F. Heynemann.

Key words: mollusks, taxonomy, species, Oceania, South Sea, Australia, Pacific

Introduction

The Museum Godeffroy of the north German port city of Hamburg was a privately owned museum focusing on the natural history, ethnography, and anthropology of the “South Seas”. During its relatively short existence (1861–1885) it developed into one of the leading natural history museums and commercial specimen supply houses of Europe. It sponsored massive collecting efforts, supplied numerous researchers in many fields of science with specimen material, and published various technical publications, including a nine-part series of Museum Godeffroy *Catalogs* (1864–1884; now exceedingly rare) and the more formal and lavishly illustrated 17-part *Journal des Museum Godeffroy* (1873–1910). Both publication series contain formal introductions and *nomina nuda* of

zoological taxa. As will be shown below, among these are hundreds of names of Mollusca, for which names now considered non-binominal or outright *nomina nuda* were utilized. The rarity and complexity of the publications, the wide distribution of manuscript names on labels supplied with “duplicate” specimens sold by the Museum, the international dispersal of parts of the collection after dissolution of the Museum, and the destruction of most of the remaining collection in Hamburg during World War II, contributed to uncertainty of publication dates and taxon validity for many of these “Godeffroy” nomina. Two prior assessments of taxa published in the Museum Godeffroy Catalogs exist: Bauer & Watkins-Colwell (2001) focused on specific herpetological data in the sales catalogs and in this context reviewed the travel and collecting activities of Alfred Tetens, one of the vessel captains in Godeffroy’s mercantile business. Evenhuis (2007) studied the listings of Fijian arthropods in Catalogs II–VIII, provided historic context, and compiled a preliminary list of known Godeffroy collectors. No comprehensive treatment of the *Journal des Museum Godeffroy* (herein JMG) has been found. Among the major contributions of the latter are a series of numbers dedicated to Günther’s well-illustrated work *Andrew Garrett’s Fische der Südsee* [for which Dor (1976) provided a listing of coarse publication dates] and Bergh’s (1873a, 1874bc, 1875b, 1879a) series of nudibranch snail papers entitled *Neue Nacktschnecken der Südsee, malacologische Untersuchungen*, the latter introducing numerous new molluscan taxa.

The following provides a history of the Godeffroy Museum, its collectors, and its zoological (and, especially, malacological) collections, as well as a description of its publication series. This is followed by an analysis of the molluscan taxa (including *nomina nuda*) introduced in the Museum Godeffroy *Catalogs* and the JMG.

Godeffroy Museum and Specimen Collections

Godeffroy trading company and the origin of the Godeffroy Museum

The Free and Hanseatic City of Hamburg (a free imperial city since 1189 and a sovereign city-state since 1806) has a long history as a prominent port and trade center and played a major role as a key node for sea-borne trade during the days of the Hanseatic League in the 13th to 17th centuries. However, into the late 19th Century, Hamburg’s vessels were not allowed to approach the English, Spanish, or Portuguese colonies directly, but had to trade their wares in English, Spanish, or Portuguese ports for the respective colonial products (Panning 1955: 3). This changed with the independence of the United States (1776), the Spanish colonies (from 1816), and Brazil (1822). Hamburg’s shipping companies expanded into the opening markets and Hamburg-flagged merchant vessels engaged increasingly in overseas trade. The Godeffroy family, French Huguenots of La Rochelle who had fled France in 1737 after the Edict of Nantes to avoid religious persecution, developed one of the most successful merchant houses in Hamburg. Its business originated with Johan Cesar IV Godeffroy in 1766, as the “Johan Cesar Godeffroy & Co.” Shipping goods initially to and from Spain and later Haiti, Mexico and Cuba, and then expanding the business to copper ore from Chile and Australia and passenger transport of emigrants to America and Australia, the enterprise (now as J. C. Godeffroy & Sons) grew rapidly with offices around the world. Johan Cesar VI Godeffroy (1813–1885; Fig. 1) took over the company in 1845. The company weathered a severe financial crisis (Panning 1956: 15) by refocusing its business; a South Sea branch developed, and the Godeffroy sailing vessels traded in mother of pearl, trepang (dried sea cucumber), coconut oil, and many other regional goods, often selling in China rather than returning to Europe. By 1857 the company had a local office in Apia, the oldest port of the Samoa islands (Schmack 1938). From there, the Godeffroy enterprise extended across Polynesia, Micronesia, and lastly also Melanesia (Bismarck Archipelago), in its heyday maintaining 45 stations and agencies, 27 trading vessels, as well as its own plantations in the region (Kranz 2005). The company’s expansion was tightly connected to, and partly drove, the development of German colonial interests in the region, with Godeffroy’s second manager in Apia, Theodor Weber [the first, August Unshelm (1824–1864), died in a hurricane], arriving there at the age of 18 and over the years also serving as consul representing the City of Hamburg (from 1861), the North German Federation (from 1868), and finally the German Empire (from 1872) in the Samoa and Tonga Islands (Werner 1889: 223). The increasing political role of the Godeffroy enterprise was noted by the then Prime Minister of New Zealand, Sir Julius Vogel, who in an 1872 blue book enumerated the many “factories” the company owned across the region, the supposedly more than 100 ships carrying the Godeffroy flag, and voiced concern about the German influence in the South Pacific (Gurau 1949). Beginning in 1884, years after the demise of the Godeffroy company, Germany took over the South Seas interests as a German Protectorate under Chancellor Otto von Bismarck.



FIGURE 1, 2. Portrait of Johan Cesar VI Godeffroy, founder of the Museum Godeffroy (from Schmack 1938). Figure 2. Portrait of Johan Dietrich Eduard Schmeltz, curator of the Museum Godeffroy and editor of its *Catalog* series (from Starr 1892).

Hamburg's natural history collections, both private and public, have long benefitted from captains and sailors returning from exotic locales with biological and ethnographic specimens. The Hamburger Naturhistorisches Museum (discussed in more detail below) fostered and formalized relationships with individuals, shipping lines, and major trade companies in the city, resulting in massive collecting efforts around the world, its target regions usually directly reflecting Hamburg's commercial interests at the time (Panning 1957, 1958; Weidner 1969). Captains and other collectors on these vessels often were instructed in detail and sometimes equipped with appropriate tools, containers, and preservatives (Panning 1958: 18). The Godeffroys sponsored such efforts and, for instance, supported Gerhard Krefft, a collector for the Hamburger Naturhistorisches Museum, with free passage to Australia on a Godeffroy vessel (Panning 1956: 3). The material brought back to Hamburg fueled not only scientific investigation but also a lucrative trade of natural and ethnographic specimens that ultimately supported a series of display-based dealerships, of which the Godeffroy Museum became the most famous.

Johan Cesar VI Godeffroy had a strong interest in natural historical specimens and ethnographic artifacts and soon instructed his own captains to obtain zoological, botanical, and ethnographic material from their journeys. His original agent in Samoa, August Unshelm, also sent diverse specimen collections to Hamburg (Hertz 1922: 56). Godeffroy's personal collection grew rapidly into a sizable but uncured collection occupying a warehouse on the company's premises. To sort and organize the accumulated material, Godeffroy initially employed the Swiss zoologist Eduard Graeffe in 1861. Graeffe had a long subsequent history with the company and became one of its major field collectors and ultimately the first editor of the JMG (see below). The Museum had a remarkable and productive history, outlined in greater detail below, which was cut short because of the Museum's dependence on the wellbeing of the trading company. The Godeffroy business went through a financial crisis in 1857, but was rescued through a major credit from Marianne Godeffroy, an aunt in Berlin (Schmack 1938: 119). More credits became necessary as a result of Germany's economic crisis of 1873, and a third large credit (again from relatives in Berlin) pledged the Godeffroy museum as security. Having shifted its investments increasingly to mining in the German Ruhr (in competition with British coal mining), railway construction, plantations, and real estate, the Godeffroy enterprise struggled for a few more years. The over-diversification of investments left limited funds for the shipping business, which suffered from increasing competition with other companies and was left behind in the

technological shift from sailing vessels to steamships. The company did not recover. An 1878 attempt to transform the South Sea business into a shareholder corporation (“Deutsche Handels- und Plantagen-Gesellschaft der Südsee-Inseln zu Hamburg”; DHPG) could not turn the tide. A proposed government bailout by the German Empire, discussed with Chancellor Otto von Bismarck in early 1879, did not come to pass. By December 1879 Godeffroy & Sons was insolvent and stopped paying off its substantial bank loans (Hertz 1922: 59). The previously generous support for the Museum Godeffroy ended as well.

Various aspects of the history of the Godeffroy family, its company, and its museum has been chronicled in several publications (e.g., Evenhuis 2007; Hertz 1922; Hoffmann 2000; Kranz 2005; Scheps 2005, 2010; Schmack 1938; Spoehr 1963), most of these in German.

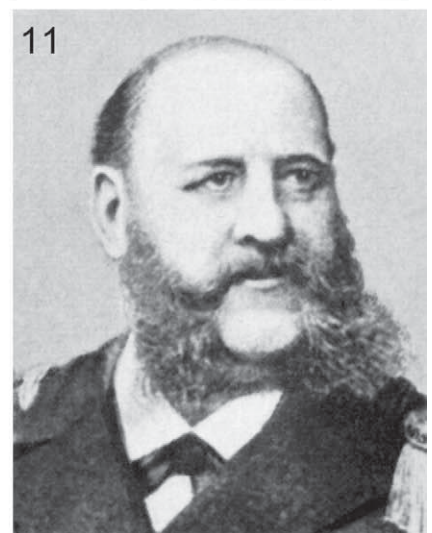
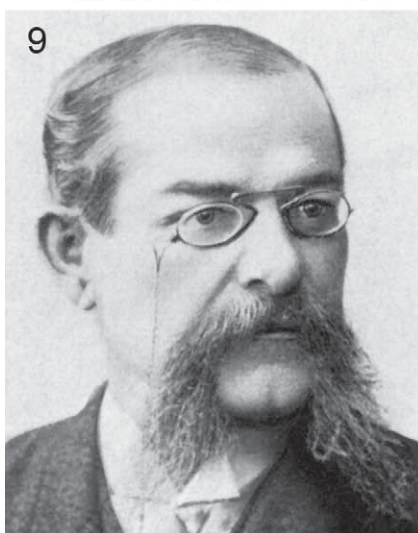
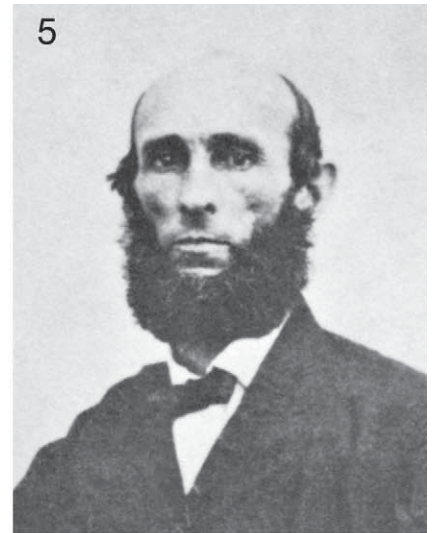
Godeffroy specimen collectors

Godeffroy accelerated the collecting activities not only by encouraging the existing captains and crews of his vessels to obtain material, but also through targeted employment of dedicated contract collectors (“Auftragssammler”). In addition to the quest for natural history and ethnographic items, the company asked these collectors to pursue economically interesting avenues, to investigate potential sources for tropical woods, for instance, or to look into the feasibility of pearl fishing by net (Scheps, 2005: 75). The contract collectors, often experienced travelers and naturalists with a particular interest in the target region, were a very international and eclectic group (Figs. 3–10). The editors of the Godeffroy Museum publications, Schmeltz and Friederichsen, and some subsequent authors (especially Kranz 2005 and Scheps 2005) reported in much detail on their persons and activities. Among the key figures were:

Eduard Graeffe (1833–1916; also spelled “Gräffe”; Fig. 6), a PhD zoologist from Zürich, Switzerland. Originally hired as the collection’s first curator, after a short time helping set up the museum in Hamburg, Graeffe traveled to Samoa in October 1861 to head up the operations there. He collected extensively in Samoa and throughout the South Pacific, returning to Hamburg in 1872. He subsequently served in an editorial capacity for the early phase of the JMG, but left Hamburg in 1874 for positions with the aquarium in Vienna and then with the zoological station in Trieste. Graeffe published various reports about his travels and observations in the Godeffroy Museum publications and elsewhere (e.g., Graeffe 1864, 1867, 1868, 1873a, b). Together with Andrew Garrett, Graeffe provided sketches of living nudibranch mollusks that were published in Rudolph Bergh’s *Neue Nacktschnecken der Südsee* monographs (see below; Fig. 17).

Konkordia Amalie Dietrich (1821–1891; née Nelle; Fig. 4) from Siebenlehn, Saxony, Germany. Dietrich had learned plant collecting from her husband, a natural history specimen dealer in Saxony. In 1863, she accepted contract employment with Godeffroy to collect in Queensland, Australia, from where she returned after ten years, having obtained and supplied a multitude of natural history specimens, ethnographic, and anthropological material. Her extensive plant collections led to a special sales catalog published by the museum (Schmeltz 1866b) and a series of papers by Luerssen (e.g., 1874) on the flora of Queensland. Museum Godeffroy curator Schmeltz provided various reports about her incoming material and field observations (e.g., 1874: xxv–xxx). Among the items shipped to Hamburg were aboriginal skulls and skeletons that were anxiously awaited and studied by European anthropologists, but their means of acquisition triggered controversies (subsequent accusations ranged from robbing of funeral trees to outright murder; Kranz 2005). The promised lifetime employment with Godeffroy ended with the demise of the company, but Hamburg’s Botanisches Museum provided her with a salaried position. Her daughter, Charitas Bischoff (1912), published a somewhat fictionalized account of her mother’s life, and her period in Australia was described by Sumner (1993). Schmeltz (1891) published a brief obituary.

Andrew Garrett (1823–1887; Fig. 5) from Albany, New York, USA. Garrett, had extensive prior experience as a collector in the South Seas. With a particular interest in mollusks and a skill in sketching and painting, he had been a contract collector for Louis Agassiz of the Museum of Comparative Zoology, Harvard University for a period of eight years, had worked with William Harper Pease in the Hawaiian Islands, and also collected for the California Academy of Sciences, San Francisco. He was hired by Godeffroy in 1866 to collect in Fiji, then in the Cook Islands, and after 1870 in French Polynesia. Schmeltz (1874: xiii–xix) summarized some of Garrett’s discoveries and specimen shipments. In addition to extensive zoological collections, Garrett provided photographs of indigenous peoples, and created many color illustrations, particularly of fishes, that were published in several volumes of the JMG as *Andrew Garrett’s Fische der Südsee*. He was also responsible for many of the sketches of living nudibranch mollusks subsequently published by Rudolph Bergh (1873a, 1874c, 1875b, 1879a; see below; Fig. 17),



FIGURES 3–11. Portraits of Museum Godeffroy employees and major collectors. Figure 3, Eduard Dämel; Figure 4, Amalie Dietrich; Figure 5, Andrew Garrett; Figure 6, Eduard Graeffe. Figure 7, Franz Hübner; Figure 8, Johan Theodor Kleinschmidt, Figure 9, Johann Stanislaus Kubary; Figure 10, Richard Heinrich Robert Parkinson; Figure 11, Alfred Tetens. Photograph (4) from Bischoff 1909; (5) from the Archives of the Museum of Comparative Zoology, Harvard University; (10) from Parkinson 1907; (11) from Tetens & Steinberg 1889; others from Panning 1958.

supplied the Museum Godeffroy with biogeographic listings of mollusks in the Pacific, and made his own collections available for comparative study (Schmeltz, 1875c: 270–271). After employment with Godeffroy ended, he remained in Huahine, French Polynesia as a collector in Oceania until his death in 1887. A brief obituary by Schmeltz appeared in 1888. Smith (1901) discussed Garrett's correspondence, publications, manuscripts, as well as his collecting efforts. A two-part biography was published by Thomas (1979) and Clench (1979). Much of Garrett's library and the original fish paintings used for the JMG are housed at the Bishop Museum. The 1894 donation of 20,000 shells from Garrett's collecting throughout the Pacific became the foundation of the Bernice Pauhi Bishop Museum's malacological collections in Honolulu, now one of the largest in the world for Pacific shells (Evenhuis 2011).

Johann Stanislaus Kubary (1846–1896; Fig. 9) from Warsaw, Poland. Kubary had studied medicine in Poland before fleeing from the Russian authorities because of his involvement in the independence movement. In 1866, he moved to Berlin and then Altona near Hamburg, entered into Godeffroy employ and traveled in 1869 to the Marshall and Caroline Islands where he collected extensively. He came back to Hamburg briefly in 1875, but returned to the Pacific in the same year and continued collecting for Godeffroy until the company collapsed in 1879. His special interests were in ornithology and ethnography, but he collected widely (including land snails) and published variously on his observations in the Micronesian islands (e.g., Kubary 1873, 1882; also Friederichsen 1875). Schmeltz (1874: xxi–xxv) gave a preliminary description of the specimens collected by Kubary in Palau. Unfortunately, much of the extensive material that he had collected never reached Hamburg—more than 100 boxes of specimens were lost during a shipwreck off Jaluit in the Marshall Islands in 1874 (Schmeltz 1875a: 268, 269). After his Godeffroy employment ended, Kubary held various positions in the region, collected for the Ethnological Museum (Völkerkundemuseum) of Berlin (Scheps 2005: 126), served as interpreter during the German annexation of parts of the Caroline Islands, and took a position as station manager for the Neuguinea-Compagnie in German New Guinea. He attempted to find suitable employment in Germany, where he briefly returned in 1892, but was unsuccessful. Kubary committed suicide on Pohnpei (then Ponape) in 1896. An extensive obituary was published by Schmeltz (1897).

Eduard Dämel (1821–1900; also spelled Daemel; birth place in Germany not ascertained; Fig. 3). Before his Godeffroy employment, Dämel had already undertaken three collecting expeditions to Australia and Fiji, and had sold material to Hamburg's Naturhistorisches Museum (Scheps 2005: 131). After returning from his third trip (1867), he joined the Museum Godeffroy as an assistant for a four-year period. During that time (1869–1871) he also maintained his own natural history specimen supply house. He then spent the years from 1871 to 1875 as a collector for the Museum in New South Wales and Queensland, Australia. His special interests were insects and spiders—Schmeltz (1875b: 269) reported on a single shipment of 40,000 pinned insects from Queensland—but he also supplied much other material from his travels (Friederichsen 1876d: 176). For family reasons, he returned to Hamburg earlier than planned from Australia and reopened his own natural history specimen supply company, apparently sharing space with another Godeffroy-employed dealer, C. A. Pöhl (who also served as curatorial assistant and editor for the museum; see below). Several publications focused on material supplied by Dämel (e.g., Günther 1876).

Franz Hübner (1846–1877; sometimes misspelled “Hübener”; Fig. 7) from Drossen near Frankfurt-an-der-Oder, Prussia, Germany. Trained as a pharmacist, Hübner studied zoology in Halle (1871–1872). Having moved to Hamburg in 1874, he was hired by Godeffroy as a contract collector. Equipped with extensive collecting and photographic equipment, Hübner traveled to Samoa in 1875 and continued via the Tonga Islands to reach Mioko in the Duke of York Group of the Bismarck Archipelago in 1877. He sent several shipments of anthropological and zoological collections to Hamburg, including mollusks. Hübner's explorations in the region were meant to take five years and to concentrate mostly on zoological specimens (Schmeltz 1875d: 271). His travels were tragically cut short with his death from heat stroke in December of 1877 (Friederichsen 1897b).

Johan Theodor Kleinschmidt (1834–1881; also anglicized as John Theodore Klinesmith; Fig. 8) from Wolfhagen near Kassel, Hesse, Germany. After having tried out a range of different professions, from book keeper to able seaman, Kleinschmidt settled in St. Louis (USA), returned to a business career and involved himself with painting and ornithology. He served in the American Civil War from 1861 to 1865 with the final rank of major (Scheps 2005: 142). When his business failed, he moved via San Francisco and Melbourne, Australia, to Fiji, where he suffered financial losses in the cotton market. In 1873 Kleinschmidt provided ornithological specimens for Otto Finsch (who at the time worked up the bird specimens for the Museum Godeffroy) and by 1875 he was

engaged as a Godeffroy contract collector, initially working in Fiji. His observations were published in the JMG (Friederichsen 1879a) and Scheps (2005: 142–155) reported in depth on his collecting activities. In 1879 he moved to the Bismarck Archipelago (Melanesia) to take on the post of the late Franz Hübner. Two years later he was killed by natives on the island of Utuan in the Duke of York Group of the Bismarck Archipelago.

Richard Heinrich Robert Parkinson (1844–1909; Fig. 10) from Augustenborg, Duchy of Schleswig, Denmark, and, as it is now assumed (Specht 2010), the illegitimate son of the Duke of Augustenborg. After meeting Kubary, he applied for a position with Godeffroy and was employed to collect ethnographic materials in Samoa, accompanying Kubary there in 1875. He also obtained zoological specimens during his travels, including land snails. Parkinson remained under contract for the Godeffroy company and the succeeding DHPG until 1881 (Scheps 2005: 154). Following that period, he travelled widely in the South Pacific, managed plantations and worked as surveyor and collector (selling and donating thousands of artifacts to institutions such as the Australian Museum and Chicago's Field Museum of Natural History), and published numerous works, of which his *Dreißig Jahre in der Südsee* [Thirty Years in the South Sea; first published in 1907] became most widely known. Parkinson died in 1909 in Papua New Guinea.

Many other individuals contributed to the collecting and documenting efforts for the Godeffroy Museum. Among these were the captains of Godeffroy's merchant vessels, some of whom supplied specimens, formal reports, and illustrations. Most prominent among them is **Alfred Tetens** (1835–1903; Fig. 11) who sailed for Godeffroy from 1865 to 1868 (when a shotgun leg wound forced his return to Europe) and, together with collector Kubary, provided the first ethnological reports, which were then edited and published by Graeffe (1873c). Many of the figures in the JMG were based on his sketches. His travels for Godeffroy in the western Pacific were analyzed by Bauer & Watkins-Colwell (2001). Tetens later held the office of "Wasserschout" of the Hamburgische Admiralität, responsible for the central hiring of seamen. His fictionalized memoirs (Tetens & Steinberg 1889) include his observations of native islanders during his South Sea travels.

The Godeffroy Museum

In 1861, the museum opened in parts of Godeffroy's "Kontorhäuser" (counting house buildings) on the Alter Wandrahm street in Hamburg (Fig. 12). An exhibition was open to the public and covered the natural history, ethnography, and physical anthropology of the South Seas. The museum later (1876) expanded to two rented floors in another building on the opposite side of street, at Alter Wandrahm 29, with the lower floor dedicated to zoology and the upper to ethnographic and anthropological displays.

Two years after Graeffe's 1861 departure to collect in Samoa, Godeffroy contracted Hamburg-born **Johannes Dietrich Eduard Schmeltz** (1839–1909; Fig. 2) who joined the Godeffroy Museum as "Kustos" (curator). He was later joined by two assistants, Eduard Dämel (see above) and C. A. Pöhl, the latter a merchant captain (see below). Schmeltz had little formal training but was an enthusiastic and successful autodidact in many fields of natural history who had contact with many of the established naturalists in Hamburg (Kranz 2005: 26; Scheps 2005: 66). It proved to be a great hire; Schmeltz not only organized the collections, he also managed much of the scientific operation, from aspects of field collecting to many of the museum's publications for nearly the entire duration of the museum's existence. He frequently edited, summarized, and published the reports arriving from the overseas collectors, both in external serials and Godeffroy publications. An example is his article in the journal *Globus* (Schmeltz 1882), in which he delivered reports by Kleinschmidt and Hübner. He also published his own technical papers (e.g., reporting on the pteropods and heteropods of the Museum Godeffroy; Schmeltz [1875e]). Schmeltz equipped and advised the contract collectors, organized the incoming material, and made decisions on which specimens were added to the various parts of the Godeffroy collection. Most importantly, he engaged leading national and international specialists to help identify and describe the rich material that was streaming in with the returning Godeffroy vessels (a partial list of some 50 zoologists and anthropologists was compiled by Scheps 2005: 54). Among the malacological specialists were J. R. A. Mousson (1805–1890) of Switzerland, W. B. R. H. Dunker (1809–1885) and O. Semper (1830–1907) of Germany, and L. S. R. Bergh (1824–1909) of Denmark. Schmeltz also advertised the availability of material to the broader research community (e.g., by placing announcements of interesting, recently acquired specimens in the *Zoologischer Anzeiger* (1881b: 72) and—last but not least—compiled extensive catalogs that listed the specimen material that was for sale (see below). At the same time, Johan Cesar VI Godeffroy himself held close contact with scientists and naturalists of his day. The famous

pathologist Rudolf Virchow (1821–1902), who studied the human skulls of the Museum, and the eminent biologist Ernst Haeckel (1834–1919), who investigated its jellyfish collections, were both frequent guests in his house (Kranz 2005: 20). He, his son Johan Cesar VII Godeffroy, several of his ship captains (including Tetens and Pöhl), as well as the mentioned contract collectors (except Garrett and Kleinschmidt) were members of the “Verein für Naturwissenschaftliche Unterhaltung” (Society for Natural-Scientific Discourse) in Hamburg, a natural history society with several formal and casual meetings every month. Schmeltz served as secretary for the society and Godeffroy as its honorary president (Scheps 2005: 47, and from information published in the *Verhandlungen des Verein für Naturwissenschaftliche Unterhaltung zu Hamburg*; Timm [1907] published a small article honoring Schmeltz’s contributions). Much discussion of Museum Godeffroy specimens and related information can be found in the latter serial publication, an example being a technical paper by collector Hübner (1875) on a technique to dry-preserve slugs for collections.



FIGURE 12. J. C. Godeffroy & Sohn company buildings at Alter Wandrahm in Hamburg. Initially housed in the main company buildings (middle and right), the Museum Godeffroy moved across the street in 1876 to occupy two floors of the building on the left. Photograph taken in the late 1870s (from Schmack 1938).

The museum holdings grew rapidly and the visiting American naturalist (and like-minded founder of the natural history specimen supply house “Ward’s Natural Science”) Henry A. Ward (1876: 699) credited Godeffroy with “originating and sustaining an immense museum, now called after his name; an establishment which has for its subject the collection and distribution of zoological material, especially in the department of the invertebrates”. According to Penny (2002: 14), it was “generally recognized across Europe as the most complete collection of natural and man-made artifacts from Australia and the Pacific islands”. The museum remained in the building at the Alter Wandrahm street throughout its history. However, by the early 1880s it became clear that the building would have to make way for the development of a free port (an area now known as the Speicherstadt), made necessary by Hamburg’s joining of the German customs zone. Demolition in the Wandrahm area began in 1885, setting a firm deadline for the dissolution of the Museum Godeffroy collection (see below).

The Godeffroy collection consisted of three formal parts: (1) a labeled display collection consisting of the “best” material, (2) a scientific collection of specimens in various stages of identification and research, and (3) a collection of duplicates that was available for purchase (Panning 1956: 14; Scheps 2010: 14). The distinction here is relevant, as the three parts had different histories and fates as described below.

Fate of the Godeffroy collections—the Hamburger Naturhistorisches Museum and the Zoologisches Museum Hamburg (ZMH)

The Godeffroy Museum was not the only natural history museum in the City of Hamburg. Its competitor was the previously mentioned “Hamburger Naturhistorisches Museum”, founded in 1843 and owned by the city of Hamburg. The museum initially combined the scientific collections of the Museum of the Naturwissenwissenschaftlicher Verein (natural history society) in Hamburg, founded in 1839 and housed in rented space in the Kaffamacherreihe street, and the much older holdings of the Akademisches Gymnasium (academic high school of the Johanneum), the latter founded in 1529 and containing natural history collections dating back to 1653. The Johanneum collection had grown over the centuries by adding various institutional and private collections, including that of Hamburg’s Patriotische Gesellschaft (Patriotic Society), which contained parts of Joachim Friedrich Bolten’s “Museum Boltenianum” made famous by a sales catalog published by Peter Friedrich Röding in 1798 (Panning 1955: 2). The collection survived the French occupation of Hamburg (1806–1814) during which museum officials had hidden the valuable specimens from Georges Cuvier, who investigated the holdings on Napoleon’s order in 1811 and found nothing worthy of removal to Paris (Kraepelin 1901: 125). By 1837, the supervision of the Johanneum’s collection passed from the Stadtbibliothek to the faculty of the school. The collections existed in several suboptimal buildings (but were not affected by the Great Fire that devastated much of Hamburg in 1842), until they were moved, in 1843, into the “new” building of the Akademisches Gymnasium (Panning 1955: 3). There it was combined with holdings of the Naturwissenschaftlicher Verein, which at the time of the merger included 3,900 molluscan shells representing 1,860 species (Panning 1955: 8). From 1843 to 1891, the Hamburger Naturhistorisches Museum remained in the building of the Johanneum school, and by 1862 gave public access to its displays (Weidner 1969: 6). The collections grew rapidly, fostered by the very active Naturwissenschaftlicher Verein, and added important collections, such as through the 1847 purchase of the zoological part of the collections of Röding who had maintained his own private “Museum für Gegenstände der Kunst und Natur” in Hamburg (Panning 1956: 5) and had been a founding member of that society. These were followed by the addition of the shell collection of Hamburg physician Jonas (donated in 1849), as well as large shell collections of C. W. Hermann Strebel (1881), Otto Semper (1894), C. G. Soost (1898) and others (Kraepelin 1901: 127; Panning 1956: 4).

The by far largest addition to the collection came in form of the zoological collections of the dissolved Godeffroy museum, which were purchased in 1886 (Weidner 1969: 11), a few years before the museum’s move into a long-planned new building in 1891 on Hamburg’s Steintorwall. Other Godeffroy specimens had reached the Naturhistorisches Museum through donations, trades, and purchases in earlier decades (Weidner 1993: 279). The acquisition of the Museum Godeffroy collection was a complicated and drawn out process:

With the financial insolvency of the Godeffroy enterprise in late 1879, its museum became endangered. The local and international press took great interest in the future of the institution and its collection (e.g., Anonymous 1880). Curator Schmeltz published a major illustrated catalog of the ethnographic and anthropological holdings (Schmeltz & Krause 1881), in part to showcase the value and importance of the collections. Shortly afterwards he took a curatorship at the ethnographic museum in Leiden (1882), the later “Rijksmuseum voor Volkenkunde” whose director he became after having received an honorary doctorate from the University of Leipzig, and where he served as editor for the *Internationales Archiv für Ethnographie*. Schmeltz continued to publish research articles and dedicated his 1894 work on the ethnoconchology of Indonesia and Oceania to the memory of Johan Cesar VI Godeffroy. After Schmeltz’s departure from Hamburg, Carl Friedrich August Alexander Crüger (1813–1885), a German entomologist (specializing in Lepidoptera) and a founding member of the *Vereins für naturwissenschaftliche Unterhaltung zu Hamburg*, was charged with directing the Museum. Captain C. Pöhl took over the curatorial duties, authored the final Sales Catalog (IX; Pöhl 1884), and oversaw the museum’s final dissolution. During liquidation of the company’s assets, the control over the catalogued display collections were transferred to Johan Cesar VI Godeffroy’s cousin, Wilhelm von Godeffroy in Berlin, for a 500,000 Mark credit (Panning 1956: 14). The latter offered to gift the ethnographic and natural history display collections to the City of Hamburg, under the condition that it would build and maintain an independent museum for it (Panning 1956: 14). The city had no interest in creating such a parallel institution in addition to its existing museums, but—spearheaded by a private committee attempting to preserve the museum for Hamburg—maintained negotiations with Wilhelm von Godeffroy in Berlin for the display

collection and with Johan Cesar VI Godeffroy (and his son, Johan Cesar VII Godeffroy) in Hamburg for the two other parts that had remained in family possession (the scientific and duplicate collections). No agreement could be reached and various museums (including Berlin, Leipzig, Leiden, London, and Hamburg) began competing for purchase of the ethnographic and zoological collections, initially only offered together (Scheps 2010: 16). In October of 1885, shortly after Johan Cesar VI Godeffroy's death, it was the Museum für Völkerkunde zu Leipzig that managed to purchase the ethnographic display collection from W. Godeffroy. Hamburg then purchased the scientific (ethnographic, anthropological, and zoological) collections from the Godeffroy family in Hamburg in February of 1886 and the zoological, anthropological, and tropical wood collections from W. Godeffroy in March of 1886. According to Kraepelin (1901: 129), Hamburg obtained "the most valuable part of the zoological collections of The Museum Godeffroy—in total over 50,000 numbers—for the relatively low price of 60,000 Mark" [our translation]. Some items apparently went to other museums. The collection of duplicates was specifically excluded from the sale to the city and was taken over by Schmeltz's former assistant C. Pöhl. He made them to the nucleus of his own natural history supply company, with specimens identified as "Pöhl Südsee", but often still showing Godeffroy museum numbers on their labels (Panning 1956: 15). His company was listed by Friedländer [& son] (1895: 39) as "C. A. Pöhl, Naturalienhandlung", with specialties given as Ethnologia and Conchylia, in Hamburg's Bernhardstrasse 1–2 which is the same address as listed for Godeffroy collector Eduard Dämel's dealership.

According to Trew (1990: 71, 79), the British natural history dealers Robert Damon (1814–1889) and his son Robert Ferris Damon (1845–1925) had purchased the Godeffroy Museum stock of specimens "after the collapse of the company", with it later having been sold off at London auctions in October 1909, June 1910, and March 1929. Several published obituaries of Robert Damon, including those by Woodward (1889: 336) and Crosse & Fischer (1890: 89), likewise credited him with having acquired the [zoological] collections of the Museum Godeffroy. Murray (1904: 253) remarked "The principal part of ethnographical collection went to Leipzig. The remainder of the Museum was purchased by Mr. Damon, of Weymouth". This cannot have been the entire stock, of course, as German sources refer to Pöhl as having taken over the holding of duplicates for his own business and to the purchase of [much of] the zoological collections by the Hamburger Naturhistorisches Museum. German authors who discussed the fate of the Godeffroy specimens in considerable detail (Panning 1958; Scheps 2005) made no mention of such a sale to Robert Damon. In any case, the claim that after the Godeffroy Museum had closed, "all zoological objects, including fishes, were transferred to the Natural History Museum in Hamburg" (Thiel *et al.* 2009: 10) is incorrect.

In subsequent decades, the botanical collection of the Naturhistorisches Museum found its way into Hamburg's Botanisches Museum (Voigt 1901: 37), the Mineralogisches-Geologisches Institut split off from Hamburg's Naturhistorisches Museum (1907) and moved into own quarters (Mineralogisch-Geologisches Museum, 1910), followed by the ethnographic collections (Museum für Völkerkunde, 1912). The zoological collections and displays of the Naturhistorisches Museum expanded accordingly and became the Zoologisches Museum (Klatt cited in Ladiges *et al.* 1968: 13).

Exactly 100 years after the Naturhistorisches Museum was founded, it was burned out during WWII air-raids by allied bombers that destroyed most of the city in July of 1943. As with the majority of the museum's assembled wealth, the dry molluscan collection, which at the time were considered the fourth largest in the world and contained the specimens of Godeffroy, Röding, Otto Semper, and many others, was completely lost. The alcohol-preserved material had been secured in a temporary shelter in Hamburg's underground subway system (Ladiges in Ladiges *et al.* 1968), and about 7,000 wet-preserved molluscan samples were thus saved, including the valuable alcohol-preserved cephalopod specimens (Dzwillo 1993: 18). The formalin-preserved specimens, including the larger cephalopods, had been left behind in the building and were lost in the museum's destruction (Kosswig in Ladiges *et al.* 1968: 42). Fortunately, half of Otto Semper's molluscan collection had been given to the Museum in Altona (previously an independent Prussian city and since 1938 a borough of Hamburg). Semper's surviving Altona collection, which among others also contained type specimens by Karl-Theodor Menke and Ludwig Pfeiffer, became part a nucleus of the post-war collections of the ZMH, the latter now part of the "Biozentrum Grindel" at Hamburg's Martin-Luther-King Platz (institutional web site: <http://www.uni-hamburg.de/biologie/BioZ/zmh/mal/sam.html>). The Godeffroy material in the mollusk collection has been databased but not yet been fully verified (B. Hausdorf, pers. comm. May 2012).

Specimen numbers in the Godeffroy Collection

Schmeltz used a consistent numbering system for the species throughout the collections, displays, and catalogs, allowing to track name changes over time and providing the opportunity to tie specimen lots to these “Godeffroy numbers.” It is important to note that these numbers reflect nominal species, collected (and sometimes re-collected) from the given locales and available for purchase from the Godeffroy holdings, and do not necessarily refer to individual specimen lots deriving from a single collecting event. Quite often a numbered species will be listed in different catalogs with a variety of localities, but with the number unchanged. A sample of a museum collection label is given in Fig. 13.

Some authors adopted the “Godeffroy numbers” consistently in formal publications, an example being Milne Edwards’s (1873) treatment of Crustacea from the Godeffroy Museum.



FIGURE 13. Museum Godeffroy specimen label (originally affixed to an alcohol vial). Godeffroy number 8557, stating “*Nanina similis*—Kandavu—Semper”; a syntype lot of *Eurypus similis* Semper, 1870 from Kandavu (Fiji), now as *Orpiella* (*Eufretum*) *similis* (C. Semper, 1870) in the Hamburg collection, ZMH 21477.

Godeffroy Museum publications

The majority of studies based on Godeffroy material were published outside the museum, in various German, British, and French serials and monographs. Examples include papers by Mousson in the *Journal de Conchyliologie* and by Pease in the *Proceedings of the Zoological Society of London*. The museum itself issued two very different serial publications, a set of (initially annual) sales catalogs that included some formal species descriptions of bryozoans and echinoderms (and, as will be shown, inadvertently introduced a multitude of molluscan *nomina nuda*) and the expensively produced *Journal des Museum Godeffroy*. According to the unsigned foreword of its first volume (written by museum curator Schmeltz, editor Graeffe, or publisher Friederichsen) the latter was explicitly started to avoid the further fragmentation of Godeffroy collection-related information.

Godeffroy Catalogs

Between 1864 and 1881 eight sales catalogs appeared, edited and authored by curator J. D. E. Schmeltz. A ninth catalog, compiled by C. A. Pöhl, was published in May of 1884, after the museum had closed and before its formal

collections were sold. Catalogs I–III only contain indication of the Von der Heyde printing house, Catalog IV was published by the Mauke company, catalogs V–VII and IX by Friederichsen, and Catalog VIII was issued as an advertising supplement to the journal *Zoologischer Anzeiger* published in Leipzig. Catalogs II–IV were specifically described as superseding any prior catalogs. This changed with catalog VI, which Schmeltz (1877: v) considered the first of several “Special-Cataloge” that merely added new material to the earlier listings.

At the time, the catalogs were widely and inexpensively distributed, in agreement with their stated intent to advertise the availability of “duplicates” from the Godeffroy Museum for purchase. Advertisements for the Catalogs appeared in other publications by the Friederichsen company, for instance on the back wrapper of an 1874 issue [II(7)] of the much more formal and expensive JMG, where Catalog V was offered for 2 Thaler, and in announcement flyers that were variously distributed, one of which can be found bound into the British Museum copy of the JMG [II(5)].

The catalogs were published in German, but at least one (Catalog III of 1866) was also distributed internationally with an English cover page “Enumeration of duplicate specimens for sale sent home by the scientific collectors of Messrs Joh. Ces. Godeffroy & Son” and contained translated introductory remarks and abbreviations; there possibly were others.

The catalogs often (II–V) contained zoological and geographic notes and reports about collecting activities. Schmeltz (1864: 1; 1865: i) noted that the majority of the zoological material from Oceania listed in Catalogs I and II were collected by Graeffe. In Catalog II, Schmeltz (1865: i–iv) summarized field reports from that collector, adding to Graeffe’s own account published in a Swiss journal (1864). In Catalog III (1866: i–xii), Schmeltz highlighted the fact that the new material had been supplied from Graeffe in Samoa and Fiji, from Dietrich in Queensland, and from the various ship captains that had been equipped for the collection of natural history specimens. Schmeltz compared some of the material in great detail with previous publications (to the point of measuring individual fish specimens) and discussed particularly interesting specimens while mentioning the taxonomic specialists that he had enlisted for their determinations. Schmeltz’s introduction of Catalog IV (1869: iii–v) explained the publication gap since 1866 with the time-consuming need to work up the large amount of newly arrived material from Graeffe and Dietrich, as well as from Godeffroy’s ship captains Tetens (Palau), J. Meier (mouth of the Amur, Russia), and H.W. Wendt (pelagic animals), and provided a detailed list of specialists who provided taxonomic determinations. Catalog IV of 1869 also included formal descriptions of new bryozoan and echinoderm taxa by Hamburg’s senator and mayor Gustav Heinrich Kirchenpauer (1808–1887; whose taxa were discussed by Calder & Brinckmann-Voss 2011) and the Danish zoologist Christian Frederik Lütken (1827–1901), as well as an announcement (p. v) that the first shipment of zoological specimens from Andrew Garrett had been received in Hamburg. The introduction to Catalog V (Schmeltz, 1874: vii–xii) referred to extensive new collections received from collectors Graeffe, Garrett, Kubary, and Dietrich, and described travel and collecting activities of these individuals as well as of Dämel and of J. M. Hildebrandt, the latter having supplied rich material from East Africa, including Mollusca. Catalog VI was introduced by Schmeltz (1877: v–vi) as a “Special-Catalog” providing additional new duplicate material supplied by Dämel, Kubary, Garrett, Hübner, and Kleinschmidt. This was followed by Catalog VII, another Special-Catalog focusing on vertebrates and providing “Nachträge [addenda] zu Catalog V & VI”. Catalog VIII of 1881, the last issue edited by Schmeltz, included no introductory text. The final Catalog IX issued by Pöhl (1884) likewise had no narrative content except for a brief technical introduction.

Price information in the Catalogs reflected the dramatic changes in currency systems over the time span they were issued. Thirty Silbergroschen corresponded to one Prussian Courant at the time of Catalog I (1864). Catalog V (1874) still used Silbergroschen, but now ten “Slbgr.” equaled one Reichsmark; from Catalog VI (1877) on prices were given in Mark and Pfennige. Some catalogs included exchange rates to Franc and Shilling to aid international specimen orders.

While the specimen availability and pricing was superseded with each subsequent catalog publication, the issued numbers were certainly intended for permanent scientific record and some were formally treated by the *Zoological Record* at the time (Martens 1870). However, most recipients apparently did not retain the Catalogs and very few complete copies survived the test of time. In fact, Junk (1930: 195) described the Godeffroy Catalogs as an extraordinarily rare work and could point to only a single complete set containing all nine published numbers, housed in the Hamburger Naturhistorisches Museum. Volumes I–III (which were not distributed by a publisher) and Pöhl’s late addition of volume IX appear to be particularly rare in the world’s libraries. The most detailed

description of the catalogs was provided by Evenhuis (2007) who had access to Catalogs II–VIII (II–VI from the Bishop Museum library and VII and VIII supplied by Dr. Aaron Bauer at Villanova University) [for copies see <http://hbs.bishopmuseum.org/fiji/archives.html>]. The current treatment is largely based on a photocopy of all nine catalogs held in the entomological collections of the Zoological Institut und Museum (ZIM) in Hamburg, supplemented by information from the Bishop Museum copies when they contained pages not present in the ZIM (pp. i–iv of Catalog II, English language parts of Catalog III). Pages in the catalogs are numbered in Roman and Arabic numerals, usually separating introductory parts for the main listing. Other pages remained unnumbered, accounting for differences in subsequent citations that further complicate the assessment of what comprises a complete Catalog copy.

It should be noted that the duplicate specimens from Amalie Dietrich's botanical collections were offered in their own sales catalog compiled by Schmeltz (1866b) that was not a numbered part of the regular series treated herein. The "Neuholländische Pflanzen, gesammelt von Frau Amalie Dietrich" was supposed to become its own series; a second plant catalog was in preparation according to an announcement that Schmeltz placed in the *Botanische Zeitung* (1867: 31).

The Catalogs are a peculiar mixture of research tool (in which Schmeltz and his colleagues reflected name changes and reidentifications for the collected lots), research publication (with formal introduction of certain new taxa) and, of course, sales catalog from which buyers were to pick their wares. The nomenclature used in the catalogs did not make it easy for the casual shopper: Some of the listed names had not yet been formally introduced and Schmeltz frequently employed supposed senior synonyms unfamiliar to contemporary readers, an approach that led Sutor (1877) to complain about the 1874 Catalog as an example of "priority fanaticism".

Museum Godeffroy Catalogs

Catalog I (1864):

Catalog I der zum Verkauf stehenden Doubletten aus den naturhistorischen Expeditionen der Herren Joh. Ces. Godeffroy & Sohn in Hamburg [Catalog I of the duplicates offered for sale from the natural history expeditions of Mssrs. Joh. Ces. Godeffroy & son in Hamburg]. Hamburg. 32 pp. [Junk (1930: 194) stated 41 p.].

Author: J. D. E. Schmeltz, jr. (1864)

Stated date: June 1864 (title page).

Publisher: not given.

Printer: Von der Heyde.

Content: Title page; Bemerkungen [remarks], Abkürzungen [abbreviations] (1 p.), catalog pp. 3–31 (with Nachtrag = addendum on p. 31), errata (1 p.).

Mollusca: Molusca [sic]; pp. 17–26.

Catalog II (1865):

Catalog II der zum Verkauf stehenden Doubletten aus den naturhistorischen Expeditionen der Herren Joh. Ces. Godeffroy & Sohn in Hamburg. Mit Bemerkungen über die Lebensweise einzelner darin enthaltener Objecte [Catalog II of the duplicates offered for sale from the natural history expeditions of Mssrs. Joh. Ces. Godeffroy & son in Hamburg. With comments on the life history of included objects]. Hamburg. [i] + iv + 33 pp.

Author: J. D. E. Schmeltz, jr. (1865)

Stated date: March 1865 (title page); introductory remarks (p. iv) dated 24 March.

Publisher: not given.

Printer: Von der Heyde.

Content: Title page; Bemerkungen [remarks], Abkürzungen [abbreviations] (1 p.), Vorbemerkungen [preliminary remarks] (i–iv [from Bishop Museum copy; not in Hamburg copy]), catalog pp. 1–33 (with errata on p. 33).

Mollusca: pp. 18–29.

Catalog III (1866):

Catalog III der zum Verkauf stehenden Doubletten aus den naturhistorischen Expeditionen der Herren Joh. Ces. Godeffroy & Sohn in Hamburg [Catalog III of the duplicates offered for sale from the natural history expeditions of Mssrs. Joh. Ces. Godeffroy & son in Hamburg]. Hamburg. [ii] + xii + 52 pp.

Author: J. D. E. Schmeltz, jr. (1866a)

Stated date: October 1866 (title page).

Publisher: not given.

Printer: J. von der Heyde.

Content: Title page, Bemerkungen [remarks] (1 p.), Abkürzungen [abbreviations] (1 p.), Notizen [notes] (i–xii); catalog pp. 1–52 (including errata on p. 52).

Mollusca: Cephalapoda [sic], Cephalophora, Acephala: pp. 27–43. Schmeltz (1866: vii) mentioned that the land and freshwater shells were identified by Professor Mousson in Zurich and had been, in part, already published in the *Journal de Conchyliologie* for 1865. The newly received marine shells had been excluded from this Catalog, because of a delay resulting from Dr. H. Crosse's illness; Crosse (Paris) had taken over the responsibility for their determination.

This Catalog (and perhaps others?) was issued in an English-language version (Bishop Museum copy): The cover is entitled "III Enumeration of duplicate specimens for sale sent home by the scientific collectors of Messrs Joh. Ces. Godeffroy & Son. Hamburgh, October 1866", and "Remarks" and "Abbreviations" were translated on one page, the remaining pages remained unchanged from the German version.

MUSEUM GODEFFROY.

CATALOG IV,

nebst einer

BEILAGE,

enthaltend:

TOPOGRAPHISCHE NOTIZEN; BESCHREIBUNG NEUER BRYOZOEN

von

Senator Dr. Kirchenpaner zu Hamburg

und

EINER NEUEN ASTERIDEN-GATTUNG

von

Dr. Chr. Lütken zu Kopenhagen.

HAMBURG, MAI 1869.

Wilhelm Mauke Söhne,

vormals Perthes-Besser & Mauke.

FIGURE 14. Title page of Catalog IV (Schmeltz 1869).

Catalog IV (1869), Figure 14:

Museum Godeffroy Catalog IV, nebst einer Beilage, enthaltend: topographische Notizen; Beschreibung neuer Bryozoen von Senator Dr. Kirchenpauer zu Hamburg und einer neuen Asteriden-Gattung von Dr. Chr. Lütken zu Kopenhagen [Museum Godeffroy Catalog IV, with a supplement containing topographic notes, description of new bryozoans by Senator Dr. Kichenpauer of Hamburg, and of a new asterid genus by Dr. Chr. Lütken of Copenhagen]. Hamburg. xliii + 139 + [2] pp.

Author: J. D. E. Schmeltz, jr. (1869)

Stated date: May 1869 (title page); preface (p. v) dated 18 May. Confirmed as having been published in May 1869 by Schmeltz (1874: vii).

Publisher: Wilhelm Mauke Söhne.

Printer: J. von der Heyde.

Content: Title page, Vorwort [preface] (= iii–v), Topographische und zoologische Notizen [topographic and zoological notes] (vi–xxiv), Neue Bryozoen (by G. H. Kirchenpauer, pp. xxv–xxxiv); *Choriaster granulatus*, eine neue Gattung aus der Familie der Asteriden [by C. Lütken, p. xxxv]; Literatur-Verzeichniss [references] (xxxvi–xxxix); Bemerkungen [remarks] (xlii); Abkürzungen [abbreviations] (xliii); catalog (1–139; including errata on p. 139), Index (2 pp.).

Mollusca: Cephalapoda [sic], Cephalophora [sic], Acephala: pp. 67–117 (mollusks ending on p. 116; the last part also extending to some non-mollusks: brachiopods and tunicates); Cephalophora, 135–139. Schmeltz (1869: iv) thanked A. Mousson and W. Dunker for the determination of “Cephalophora and Acephala” in this catalog.

Catalog V (1874), Figure 15:

Museum Godeffroy Catalog V. Nebst einer Beilage enthaltend topographische und zoologische Notizen [Museum Godeffroy Catalog V, with a supplement containing topographic and zoological notes]. Hamburg. xxxviii + 215 pp.

Author: J. D. E. Schmeltz, jr. (1874)

Stated date: February 1874; preface (p. xii) dated “Anfang [beginning of] Februar”. [According to advertisement issued with JGM 2(5), this was published end of February 1874. Brief reviews were published by Kobelt (April 1874) and Pfeiffer (1875)].

Publisher: L. Friederichsen & Co.

Printer: G. J. Herbst.

Content: Title page; Inhalts-Verzeichniss [index] (iv–vi); Vorwort [preface] (vii–xii); Topographische und zoologische Notizen [topographic and zoological notes] (xiii–xxxi); Literatur-Verzeichniss [references] (xxxii–xxxvi); Bemerkungen [remarks] (xxxviii); catalog (1–199); Addenda (200–208); Corrigenda (209–212); Doubletten der ethnographischen Sammlung [duplicates of the ethnographic collections] (213–214); Errata (p. 215).

Mollusca: Cephalapoda [sic], Cephalophora, Acephala; 86–181 [mollusks ending on p. 181; the last part also extending to some non-mollusks: brachiopods and tunicates]; Addenda (207–208), Corrigenda (209–212). According to Schmeltz’s statement on p. viii, the arrangement of Mollusca in Catalog V was based exclusively on H. & A. Adams’s *The Genera of Recent Mollusca*. Taxonomic specialists as in Catalog IV, with the addition of R. Bergh (Copenhagen) for determination of some nudibranchs (Schmeltz, 1874: ix). Otto Semper (Altona) was thanked for assisting Schmeltz with a complete revision of the conchological material in the catalog.

Stated sales price: 2 Thaler (according to advertisement issued with JGM 2[5]).

Catalog VI (1877):

Museum Godeffroy Catalog VI. Nachträge zu Catalog V [Museum Godeffroy Catalog VI. Addenda to Catalog V]. Hamburg. vii+ 108 pp.

Author: J. D. E. Schmeltz, jr. (1877)

Stated date: March 1877; preface (p. vi) dated “Anfang [beginning of] März” [listed by Kobelt 1877b: 101 (December) as having been received].

Publisher: L. Friederichsen & Co.

Printer: G. J. Herbst.

Content: Title page; Inhalts-Verzeichniss [index] (iii–iv); Vorwort [preface] (v–vi); Abkürzungen, Bemerkungen [abbreviations, remarks] (vii); catalog [1–101]; Addenda (102–107); Errata (p. 108).

Mollusca: Cephalophora, Acephala; pp. 79–98 [mollusks ending on p. 98; the last part also extending to some non-mollusks: brachiopods and tunicates]; Addenda section for Cephalophora; pp. 104–107. Taxonomic specialists as in the prior catalogs, according to Schmeltz (1877: vi).

100 Cephalophora.			
No.		Patria.	Lgr.
4046	Cyclophorus flavus Brod. *) C. obliquatus Gld. Mus. Godeffroy Cat. IV.	Faiti, Paumotu-Ins.	3
8541	Garrettia **) rotella Pse.	Rarotonga	10
7295	„ biangulata Pse.	Aitutaki	6
7296	„ parva Pease	„	6
5343	„ ? circumlineata Mss. Omphalotropis circumlineata Mss.	Viti-Levu	6
8598	Hydrocena striata Pse. Chondrella striata Pse. Proc. zool. Soc. 1871 pag. 465 Hydrocena subinsularis Mss. i. l.	Cooks Inseln	3
8425	„ sp. ? H. nitida Pse. sec. Mousson ***)	Huahine	3
5348	Omphalotropis Cheynei Dohrn	Pelew-Inseln	2
5327	„ subsoluta Mss.	Oneata	3
8599	„ vallata Gld. Realia (Omphalo- tropis) bicarinata Baird. †)	Tonga-Inseln	3

*) Zufolge Vergleichs von Originalexemplaren! Cycloph. obliquatus Gld. ist der Beschreibung nach „aschgrau, mit abwechselnd groben Streifen und Furchen“ und kommt von der Insel Ratea.

**) Gen. nov. O. Semper in litt.

***) Diese Art dürfte sich wahrscheinlich als Chondrella parva Pse. herausstellen, von der uns zur Zeit keine Originalexemplare zur Vergleichung vorliegen.

†) In „Brenchley, Cruise of the Curaçoa“.

FIGURE 15. Page 100 of Catalog V (Schmeltz 1874), showing the typical arrangement of information in four columns, (1) the Museum Godeffroy number assigned to the material under discussion, (2) the accepted name at the time, plus synonyms or different names assigned in prior catalogs or used in communications with specialists, (3) the geographic origin of the material offered in this catalog, and (4) the price in Silbergroschen. Footnotes provide additional information, ranging from color descriptions to synonymy discussions and taxonomic notes.

Catalog VII (1879):

Museum Godeffroy Catalog VII. Wirbelthiere (Animalia vertebrata) und Nachträge zu Catalog V & VI aus den übrigen Thierklassen [Museum Godeffroy Catalog VII. Vertebrates (Animalia vertebrata) and addenda to Catalogs V & VI from the remaining animal classes]. Hamburg. viii + 99 pp.

Author: J. D. E. Schmeltz, jr. (1879)

Stated date: May 1879 [listed by Kobelt 1879: 80 (July) as having been received] .

Publisher: L. Friederichsen & Co.

Printer: Not stated.

Content: Title page; Inhalts-Verzeichniss [index] (iii–iv); Vorwort [preface] (v–vi); Abkürzungen, Bemerkungen [abbreviations, remarks] (vii–viii); catalog (1–92); Addenda (92–96); Doubletten der ethnographischen Sammlung [duplicates of the ethnographic collection] (97); Doubletten der botanischen Sammlung [duplicates of the botanical collection] (98); Errata (p. 99). Inside wrappers with advertisements by Friederichsen & Co. for the Journal des Museum Godeffroy, Hefte 1–14 and for maps of West Equatorial Africa.

Mollusca: Cephalopoda, Cephalophora, Acephala; pp. 84–89 [mollusks ending on p. 89; the last part also extending to some non-mollusks: brachiopods and tunicates]; Addenda section for Cephalophora; p. 96. Taxonomic specialists as in the prior catalogs, according to Schmeltz (1879: v).

Catalog VIII (1881):

Museum Godeffroy, Hamburg. Catalog VIII. [no date/cover/title page found]. Issued as Inseraten-Beilage (= advertising supplement) 91 of *Zoologischer Anzeiger*; 4. 18 pp.

Author: J. D. E. Schmeltz [no “jr.”] (1881)

Stated date: Exact date not established, but likely between 1 August (date of Beilage 89) and 26 September (date of Beilage 93).

Publisher: Not stated.

Printer: Breitkopf und Härtel, Leipzig.

Content: Catalog (1–18) [no other formal parts in addition to catalog listings].

Mollusca: Cephalopoda, Cephalophora et Acephala; pp. 16–17

Catalog IX (1884):

Museum Godeffroy Catalog IX. Hamburg. 48 pp.

Author: C. A. Pöhl. (1884)

Stated date: May 1884.

Publisher: L. Friederichsen & Co.

Printer: Not stated.

Content: Title page; Vorwort [preface] (p. 3); catalog (pp. 5–48 [ending abruptly, but apparently the final page published]).

Mollusca: None (Vertebrata and Insecta only).

“Museum Godeffroy 1885”

Although there was no Catalog published in 1885, “Mus. Godeffroy, 1885” is referenced by Garrett (1887c, 1887d) as the source for several names. In his text for the nomina so cited, Garrett made statements such as “I received four examples of this singular species from the Museum Godeffroy” or “I received this species from the Museum Godeffroy labelled ...”. There are seven of these “1885” names, two of them in the synonymy of species attributable to Pfeiffer and Pease; the over five were made available by Garrett. To avoid any confusion about the existence of another Catalog, and for completeness, these “Godeffroy 1885” nomina are here listed:

Georissa juvenilis “Mousson” Garrett, 1887d: 314. Attributed to Mousson with reference to “*Diancta juvenilis*, Mousson, MS., Mus. Godeffroy, 1885.”

Georissa parva (Pease)—Garrett, 1887d: 314. With “*Hydrocena insularis*, ‘Crosse,’ Mousson, in Museum Godeffroy, 1885” in synonymy.

Helicina incisa “Mousson” Garrett, 1887d: 313. Attributed to “Mousson MS., Museum Godeffroy, 1885”.

Helicina pohliana Garrett, 1887d: 313. With Reference to “*Helicina miniata*, ‘Lesson’ (not of Lesson in Voy. Coquille), Museum Godeffroy, 1885”.

Ostodes liberatus “Mousson” Garrett, 1887d: 305. Attributed to “Mousson MS., Museum Godeffroy, 1885”.

Ostodes strictus “Mousson” Garrett, 1887d: 306. Attributed to “Mousson MS., Museum Godeffroy, 1885”.

Stenogyra tuckeri Pfeiffer—Garrett, 1887c: 132. With “*Stenogyra gyrata*, Mousson MS., in Mus. Godeffroy, 1885” in synonymy.

Other species-specific advertisements

In addition to the longer catalog listings described above, Schmeltz placed various announcements in scientific journals, publicizing the availability of certain zoological specimens for sale. Several appeared—like Catalog VIII—as advertising supplements to the *Zoologischer Anzeiger* (Inseraten-Beilagen nos. 53, 73, 75, 89, 98, 100, 116). Most offered vertebrate specimens, no Mollusca were included among the advertisements located; see Schmeltz (1880, 1881a, c, d, f, g, 1882a).

Journal des Museum Godeffroy (JMG)

The JMG comprises six volumes (Bände), see Fig. 16. The subtitle of the Journal was “Geographische, ethnographische und naturwissenschaftliche Mittheilungen”, and the serial indeed published on a broad range of topics, including meteorological observations, maps, and reports of Godeffroy-sponsored collectors. Ludwig Friederichsen (as L. Friederichsen & Co., Hamburg) served as publisher. The JMG published in German, with very few exceptions (e.g., Milne Edwards 1873). In contrast to the inexpensively produced and distributed Catalog series, the JMG set high standards in print and color reproduction. The resulting price—a set of the first 12 published numbers cost 540 Mark (Scheps 2005: 185)—was described as “unaffordable” or “extraordinary” in contemporary reviews (e.g., Anonymous 1874: 1455).

Eduard Graeffe (see above) served as first editor of the JMG from 1872, but left the Godeffroy Museum toward the end of 1873 to become director of the aquarium in Vienna. The editorial duties were taken over by Ludwig Friederichsen, who had long acted as publisher for the various museum’s publications. Unassigned articles (e.g., “Kleine Mittheilungen” in Heft 2 of Volume V, 1876) are therefore attributable to Friederichsen, although much of the material was likely provided by curator (and Catalog author) Schmeltz. Financial support for the JMG dried up in 1881 (Günther, in the foreword to Heft VIII of 1909), and the final numbers making up volume VI published in 1909 and 1910 appeared long after the museum had ceased to exist. It was a Godeffroy family foundation (the “Dr. Wilhelm Martin von Godeffroy Familien-Fidei-Commiss-Stiftung”) that came to the rescue and allowed the completion of the project.

As previously pointed out by Winckworth (1946: 22), the JMG has a puzzling system of multiple pagination, one each for the volume (Band), the part (Heft), and the separately issued offprints. Another peculiarity is the combination of the Hefte into volumes out of numerical order, with volume I consisting of parts 1, 2, and 4; volume II of parts 3, 5, 7, and 9; volume III of parts 6, 8, and 10; volume IV of parts 11, 13, and 15; and volume V of parts 12 and 14. Volumes II, IV, and VI were dedicated entirely to “Andrew Garrett’s Fische der Südsee” (see below). Here the volumes (Bände) and parts (Hefte) received a dual classification system; for example, Heft 13 of Band IV in the overall publication series corresponds to Heft 6 of Band II of the “Fische der Südsee”. The other volumes contained miscellaneous articles.

The journal editors were very inconsistent in citing the article titles in the content listings of volumes and numbers, leading to some confusion in the subsequent literature. An example is Graeffe’s (1873b) report on Kubary’s work in the Marshall Islands, which in the actual article is named simply “Die Ebongruppe im Marshall’s Archipel”, in the content listing of Heft 1 “Die Lagune von Ebon, nach brieflichen Mittheilungen von J. Kubary, bearbeitet by Dr. E. Gräffe”, and in the content listing of Band 1 “Die Ebongruppe I, Marshall’s Archipel nach briefl. Mittheilungen J. Kubary’s”.

The following lists all volumes (Bände) with their individual parts (Hefte) and indicates articles that are dealing with taxonomy of Mollusca. Articles that mention general collecting activities or descriptions of shell-based artifacts are not annotated herein. The major molluscan articles were authored by the Danish physician and malacologist Rudolph Bergh (1873a, 1874c, 1875b, 1879a), as part of his extensive series on the nudibranchs of the South Sea (“Neue Nacktschnecken der Südsee, malacologische Untersuchungen”); see Fig. 17.

JOURNAL
DES
MUSEUM GODEFFROY.

Geographische, ethnographische und naturwissenschaftliche Mittheilungen.

Dritter Band

(bestehend aus den Heften 6, 8 und 10 der ganzen Serie.)

Mit 43 Tafeln und 21 Holzschnitten.

Redaction: Dr. L. Friederichsen.

62242

HAMBURG.

L. Friederichsen & Co.

(Inhaber: Dr. L. Friederichsen.)

Land- und Seekartenhandlung,

geographische und nautische Verlagshandlung.

1873/1902.

FIGURE 16. Title page of JMG Band 3 (1873–1902; from copy held at the Field Museum of Natural History, Chicago).

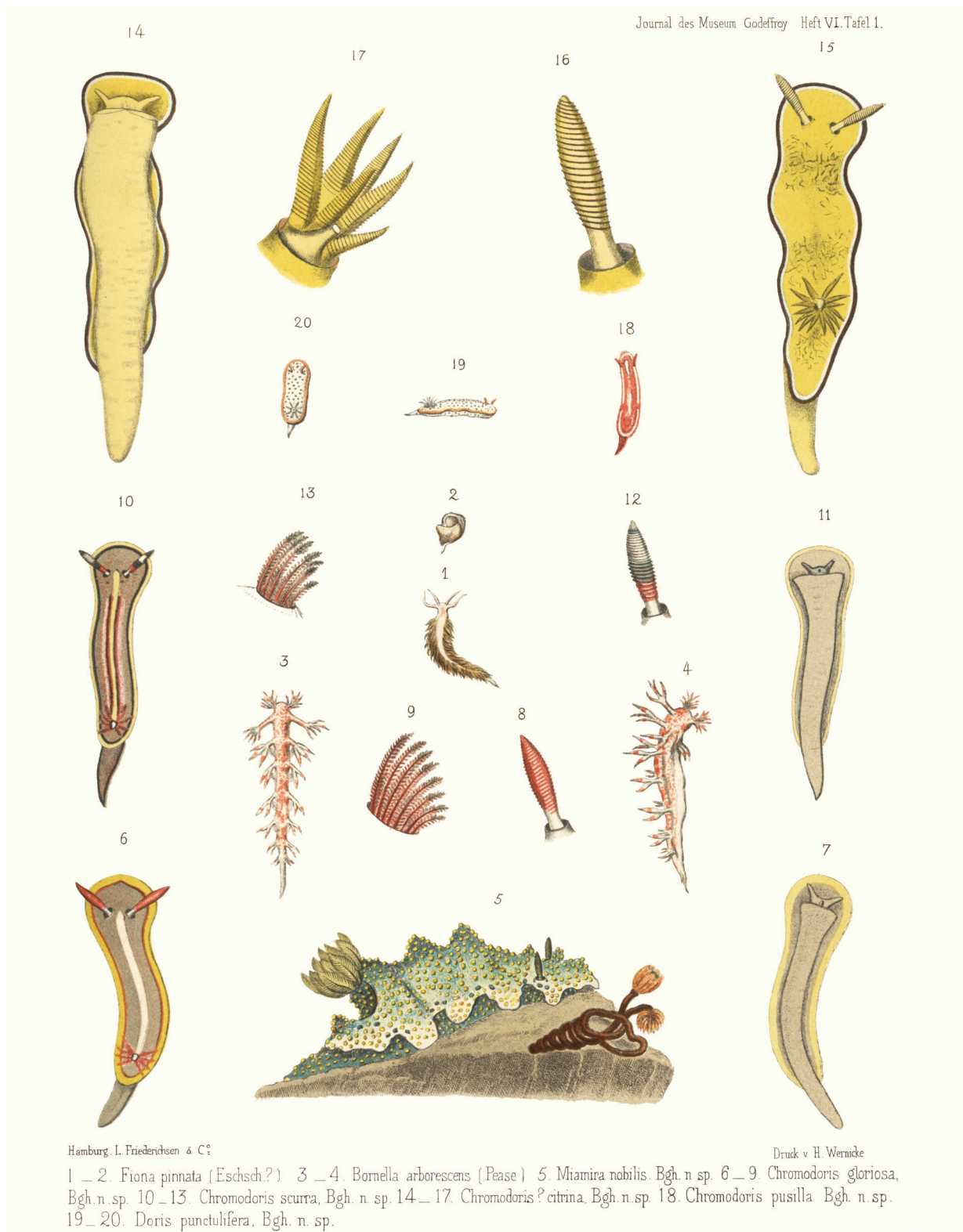


FIGURE 17. Reproduction of Bergh's (1874c) nudibranch plate 1 in the JMG (Band 3, Heft 6), with images 1–5 and 18–20 based on sketches by Eduard Graeffe, and 6–17 based on those by Andrew Garrett (from copy held at the Field Museum of Natural History, Chicago).

Band I (1873/74), 295 pp., 35 pls.

Heft 1 (pp. 1–70, pls. 1–8), with foreword and articles 2–7. Original sales price, 5 Thaler. Date: by 15 January 1873 [based on listing and review by Anonymous in *The Academy* (1873: 32, 33)]. No Mollusca.

Heft 2 (pp. 71–175 [1–103], pls. 1–12), with articles 8–12. Original sales price, 10 Thaler. Date: May 1873 [based on printed date on Heft back wrapper]. Mollusca: Bergh (1873).

Heft 4 (pp. 177–295 [1–119], pls. 1–15), with articles 13–20. Original sales price, 10 Thaler. Date: The printed back wrapper states “Hamburg, im October 1873“, but the volume cover gives 1874 as the end date for Band I. Heft 4 appeared before 15 October 1873 [based on a note of that date by G. Semper (1873: 425) in the *The Annals and Magazine of Natural History*, referring to Heft 4 as having just been published]. No Mollusca.

Band II (1873–1875), pp. i–iv, 1–128, pls. 1–83 [= “Andrew Garrett’s Fische der Südsee, beschrieben und redigiert von Albert C.L. G. Günther, Band I”, with Hefte renumbered in sequence 1–4]. No Mollusca.

Heft 3 (pp. i–ii, 1–24, pls. 1–20). = Fische der Südsee Heft 1. Original sales price, 20 Thaler. Date: August 1873 [printed date on Heft end wrapper]

Heft 5 (pp. 25–56, pls. 21–40). = Fische der Südsee Heft 2. Original sales price, 20 Thaler. Date: February 1874 [printed date on Heft end wrapper; according to Dor (1976: 192), pls. 21–40 were published with Heft 7]

Heft 7 (pp. 57–96, pls. 41–60). = Fische der Südsee Heft 3. Original sales price, 60 Mark. Date: December 1874 [printed date on Heft end wrapper]

Heft 9 (pp. iii–iv, 97–128, pls. 61–83). = Fische der Südsee Heft 4. Original sales price, 60 Mark. Date: November 1875 [printed date on Heft end wrapper]

Band III (1873–1902), 284 pp., 43 pls.; original sales price, 95 Mark.

Heft 6 (pp. 1–131, [i], pls. 1–5), with articles 1–7. Original sales price, 5 Thaler. Date: “1873/74” [Heft title]. Published after 1 October 1874, the date of an oral presentation to the Geographische Gesellschaft in Hamburg by editor Friederichsen, in which he referred to the upcoming publication of Heft 6 (Friederichsen 1875) and before 18 November 1874, the date of a review in *Göttingische gelehrte Anzeigen* (Anonymous 1874). Mollusca: Bergh (1874).

Heft 8 (pp. [i], 133–271 [1–139], pls. 1–18), with articles 1–8 (= articles 8–15 of Volume). Original sales price, 36 Mark. Date: “1875” [Heft title; and according to a review by “K.M.” (1876: 912) in *Göttingische gelehrte Anzeigen*]; “31. Mai 1875” given as date of added corrections on last page. Published between 31 May and before 17 September 1875, the publication date of a review in *Botanische Zeitung* that included an article in Heft 8 (Kraus 1875). Mollusca: Bergh (1875).

Heft 10 (pp. 273–284 [1–13], pls. 1–20), with foreword and article 2 (= articles 16, 17 of Volume). Date: “1902” [Heft title]. No Mollusca.

Band IV (1876–1881), pp. i–v, 129–260, pls. 84–140 [= “Andrew Garrett’s Fische der Südsee, beschrieben und redigiert von Albert C.L. G. Günther, Band II”, with Hefte renumbered in sequence 5–7]. Original sales price, 180 Mark. No Mollusca.

Heft 11 (pp. 129–168, pls. 84–100). = Fische der Südsee Heft 5. Date: “1876” [printed date on Heft front wrapper].

Heft. 13 (pp. 169–216, pls. 101–120). = Fische der Südsee Heft 6. Date: “1877” [printed date on Heft front wrapper].

Heft. 15 (pp. i–v, 217–260, pls. 121–140). = Fische der Südsee Heft 7. Date: “1881” [printed date on Heft front wrapper]; 5 Dec. 1881 [date of notice in *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 26: 384].

Band V (1876/1879), 284 pp., 24 pls.

Heft 12 (178 pp., 8 pls.), with articles 1–9. Date: “Juli 1876” stated on pp. 175, 178. Mollusca: Heynemann (1876), Friedrichsen (1876 a, b, c).

Heft 14 (284 pp., 16 pls.), with articles 1–15. Date: “1879” on Heft title; “Februar 1879” on back wrapper; 28 February accepted as date by Burn (1978: 298), giving this article priority over Bergh’s other papers of the same year. Mollusca: Bergh (1879a).

Band VI (1909–1910), pp. i–iv, i–vi, 261–515, pls. 141–180 [= “Andrew Garrett’s Fische der Südsee, beschrieben und redigiert von Albert C.L. G. Günther, Band III”, with Hefte renumbered in sequence 5–7]. No Mollusca.

Heft 16 (i–iv, pp. 261–388, pls. 141–160). = Fische der Südsee Heft 8. Date: “1909” [printed date on title page and Heft front wrapper; Dor (1976: 192) erroneously gave the beginning page as “216”].

Heft 17 (pp. i–vi, [ii], 389–515, pls. 161–180). = Fische der Südsee Heft 9. Date: “1910” [printed date on title page and Heft front wrapper].

Other Godeffroy publications

In addition to the mentioned sales catalogs and its JMG series, the Museum Godeffroy issued only a few stand-alone works that largely focused on ethnographic themes. All but one of these were issued when the museum was already endangered and were probably published to showcase the value and relevance of the museum’s holdings to those deciding on its future.

In 1876, only days after the museum had moved into its new quarters, Schmeltz issued a list of the ethnographic collections to serve as a guide during the 49th annual meeting of the Gesellschaft Deutscher Naturforscher und Ärzte, an interdisciplinary society of researchers and physicians that met in Hamburg that year. No other museum guide appears to have been published until 1882, when Schmeltz (1882c) issued a 61-page publication describing the museum.

Schmeltz and the physician/anthropologist Rudolph Krause published a large work describing in detail the ethnographic and anthropological collections of the museum (Schmeltz & Krause 1881). This was followed by an “Anthropologisches Album” with photographs of individuals from Polynesia, Micronesia, and Melanesia that had been taken mostly by Kubary during his travels, with others supplied by Hübner, Garrett, and Kleinschmidt (Museum Godeffroy 1881). A second set of photographs followed in 1885 (Scheps 2005: 196), containing images from the Bismarck Archipelago supplied by Kleinschmidt.

Molluscan Taxa in Godeffroy Publications

Molluscan taxa and nomina nuda in the Godeffroy Catalogs

The following listing is arranged by the Godeffroy species numbers as they were used in Museum collection and Sales Catalogs. Within each numbered entry, later listings are not repeated in full but are denoted by year, catalog number and page number, separated from the earlier listing by a semicolon. If a different or emended name is used in a later catalog, such listing is separated from the earlier usage by an em dash [—]. Catalog entries using the same

name/number are not included if they were published after the name had been made available. *Nomen nudum* is normally used only once for each nude species-group name, although in some cases it may appear twice in order to maintain clarity. “=” denotes objective synonymy; “?=” denotes subjective synonymy. In identifying the current placement of the species listed by Godeffroy we have been conservative in the use of genera, such as using *Conus* for all Conidae despite the fact that the genus is now split into many genera. Using anything other than *Conus* (or *Cypraea* for Cypraeidae) would involve deciding what current authority to follow and then giving a reason for doing so—issues that have little bearing on the current paper. The names as listed with conventional generic placement cannot be misunderstood.

Some of the names listed by Schmeltz for which we have not found authorities, such as *minor* and *gracilior*, might have been meant as morphological descriptors but are treated herein as taxonomic names for consistency. Multi-word descriptors, written as varietal names such as “maxima costata”, are considered to be descriptive terms and not intended to be nomina. They are included here for completeness and to avoid any possible future confusion.

The names used by Schmeltz and commented upon in the following listing can be grouped in several categories: a total of 162 nude names were attributed to correspondent authors (Dunker, Garrett, Mousson, Pease, Semper), using notations such as “Mss., n. sp.” to indicate that the name had been supplied by one of them. An additional 213 nude names were attributed to the same correspondents, but with no notation of novelty. Another 154 names were attributed to non-binominal authors (Chemnitz, Gronovius, Martini, Martyn, Meuschen) or to Solander (the majority of names attributed to the latter being nude). At the time, works by these authors were considered to be available by some, although not most, zoologists. The status of these old works was a matter of contention for many years. Schmeltz sometimes reversed himself more than once on authorship of some species in subsequent catalog issues. In addition, 27 names were listed without author, and 12 entries are interpreted as descriptive terms not considered to be intended as binominal. Seven nude names were introduced by Schmeltz either attributed to others as replacement names, or tagged as “Nobis” or “mihi” but were not made available therein (see numbers 1781, 5228, 6897, 7310, 8088, 8782, 9088, 9472 [8088 and 9088 are the same name]). Four names were given with wrong authors. Another eight entries deal with miscellaneous topics such as unnamed varieties or non-molluscan taxa.

Only five names, one (preoccupied) genus-group name and four replacement species-group names were found to date from the Catalogs (numbers 8541, 6882, 8711, 7215, 8832).

Schmeltz used abbreviations customary in taxonomic writing at the time. These include “in lit.” [littera/litteris] = in a letter and “in sched.” [scheda/schedis] = on a label. He also employed “Mscr.” [manuscript] and the Latin “an” [or] when suggesting an alternate taxonomic placement. These usages are not individually annotated below. The names of authors that were abbreviated in the catalog have been extended and emended in square brackets; such changes were not made within direct quotes.

4. *Cyclina chinensis* Ch[emnitz], Schmeltz, 1866[III]: 43. *Nomen nudum*.

NOTE: Chemnitz’s name is not available. See number 7184 in this list.

540a. *Strombus papilio* Ch[emnitz], Schmeltz, 1869[IV]: 96 ; 1874[V]: 141. *Nomen nudum*.

NOTE: Chemnitz’s name is not available. The earliest available name for this species is *Strombus pipus* (Röding, 1798).

547. *Ranella olivator* Meusch[en], Schmeltz, 1864[I]: 20; 1865[II]: 36; 1866[III]: 36; 1869[IV]: 95. In subgenus *Apollon* in 1869. *Nomen nudum*.

NOTE: Meuschen’s work is non-binominal. This is *Gyrineum natator* (Röding, 1798).

562a. *Pleurotoma acuticarinata* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 20. *Nomen nudum*.

NOTE: No description of this species has been located.

569a. *Oliva irisans* Lmk. var. *major* [no author], Schmeltz, 1865[II]: 21, Sd.I. [= Hawaii] *Nomen nudum*.—*Oliva tigrina* Reeve var., Schmeltz, 1869[IV]: 82, V.I. [= Fiji].

NOTE: There is no “*Oliva major*” and this may simply indicate large specimens. There is no *Oliva tigrina* Reeve; Reeve correctly attributed the name to Lamarck, 1811. Due to the different locations and the use of the term “var.” we do not speculate on the identity of the species involved.

578. *Strombus flosculosus* Mart[ini], Schmeltz, 1865[II]: 19; 1866[III]: 37; 1869[IV]: 97; 1874[V]: 142, 158. In 1866 with “(*floridus* Lam.)” in synonymy and in 1869 with synonyms “*Aporrhais gibberulus* Meusch[en], *Lamb. flammea* Link [1807], *Str. floridus* Lam[arck, 1822].” *Nomen nudum*.

- NOTE: Martini's name is not available. His *flosculosus* is *Strombus mutabilis* Swainson, 1821 *fide* Abbott (1960: 72–73). Link's species was incorrectly placed in this synonymy by various authors as shown by Abbott.
587. *Murex scaber* Chemnitz, Schmeltz, 1864[I]: 21; 1865[II]: 22; 1866[III]: 34; 1869[IV]: 90; 1874[V]: 131, 155. In 1869 with synonyms "*M. miliaris* Gm., *M. vitulinus* Lam., *M. purpura* Desh." The 1865 listing, and all after 1866, placed in subgenus *Vitularia*. *Nomen nudum*.
NOTE: Chemnitz's name is not available. This species is now *Vitularia miliaris* (Gmelin, 1791).
589. *Murex nigrinus* Mensh. [sic; = Meuschen], Schmeltz, 1864[I]: 21. *Nomen nudum*.—*Murex radix* Gm[elin], Schmeltz, 1865[II]: 22; 1866[III]: 34.—*Murex nigrita* Meusch[en], Schmeltz, 1869[IV]: 90; 1874[V]: 131. *Nomen nudum*.
NOTE: Meuschen's name is not available. The species was correctly listed in lists II and III as *Murex radix* Gmelin, 1791.
590. *Murex inflatus* Lam[arck], Schmeltz, 1864[I]: 21.—*Murex frondosus* Mart[ini], Schmeltz, 1865[II]: 22; 1866[III]: 34; 1869[IV]: 89; 1874[V]: 130, 155, in subgenus *Chicoreus* in 1869 and 1874, with numerous synonyms. *Nomen nudum*.
NOTE: Martini's name is not available. The earliest name for this species is *Murex (Chicoreus) ramosus* (Linnaeus, 1758) *fide* Vokes (1971).
591. *Murex capucinus* Ch[emnitz], Schmeltz, 1864[I]: 21; 1865[II]: 22; 1866[III]: 34; 1869[IV]: 89; 1874[V]: 130. In subgenus *Pteronotus* in 1869 and *Chicoreus* in 1874. *Nomen nudum*.
NOTE: Chemnitz's name is not available. This name was made available as *Murex capucinus* Lamarck, 1822.
595. *Ricinula fenestrata* [no author], Schmeltz, 1864[I]: 21. *Nomen nudum*.
NOTE: In Catalogs [II]: 23 and [III]: 33 this number represented *Ricinula cavernosa* Reeve, 1846. There must have been some error in identification as *Drupella fenestrata* (Blainville, 1832) is in use and *R. cavernosa* is considered a synonym of *Cronia ochrostoma* (Blainville, 1832).
596. *Ricinula amoenum* Phil[ippi?], Schmeltz, 1864[I]: 21. *Nomen nudum*.
NOTE: This name cannot be located. This name does not appear in the Catalogs again, but in Catalog [IV]: 85 Number 596 is used for *Ricinula (Sistrum) fiscellum* Chem[nitz]. This was probably an error for number 597, q.v.
597. *Purpura (Sistrum) fiscellum* Chemn[itiz], Schmeltz, 1864[I]: 21; 1865[II]: 23.—*Sistrum fiscellum* Chemn[itiz], Schmeltz, 1866[III]: 33.—*Ricinula (Sistrum) fiscellum* Chem[nitz], Schmeltz, 1869[IV]: 85; as number 596 in error.—*Pentadactylus (Sistrum) fiscelluus* Ch[emnitz], Schmeltz, 1874[V]: 121; as number 598 and on page 153 as number 596, both in error. *Nomen nudum*.
NOTE: Chemnitz's name is not available. This name was made available by Gmelin and is now *Muricodrupa fiscella* (Gmelin, 1791).
598. See number 597
601. *Purpura grisea* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 21. *Nomen nudum*.—*Purpura exigua* Dkr. [= Dunker], Schmeltz, 1865[II]: 23; 1866[III]: 33; 1869[IV]: 85; 1874[V]: 123. *Nomen nudum*. In subgenus *Thalessa* in 1869 and *Stramonita* in 1874.
NOTE: No description of either of these nomina has been located. In Catalog V Schmeltz listed "8839 *Purpura grisea* Bolt. [= Röding, 1798]" from Port Denison [Western Australia]. There was evidently some confusion as this Röding species is the amphi-Atlantic *Stramonita haemastoma* (Linnaeus, 1758).
608. *Nerita lineata* [no author], Schmeltz, 1864[I]: 22; 1865[II]: 23.—*Nerita lineata* Born, Schmeltz, 1866[III]: 38.—*Nerita lineata* (L.) Chem[nitz], Schmeltz, 1869[IV]: 99.—*Nerita lineata* Ch[emnitz], Schmeltz, 1874[V]: 144. *Nomen nudum*.
NOTE: Chemnitz's name is not available. There is no "*Nerita lineata* Born", Chemnitz's name being made available as *Nerita lineata* Gmelin, 1791. According to Cernohorsky (1979: 42) that usage is preoccupied by *N. lineata* Mueller [= Müller], 1774 and the name for the species is *Nerita balteata* Reeve, 1855.
610. *Nerita chamaeleon* Chemn[itiz], Schmeltz, 1864[I]: 22. *Nomen nudum*.—*Nerita chamaeleon* L., Schmeltz, 1866[III]: 38.—*Nerita stella* Chemn[itiz], Schmeltz, 1869[IV]: 99. *Nomen nudum*.
NOTE: Chemnitz's name is not available. *Nerita chamaeleon* Linnaeus, 1758 is in use. The other name used was made available as *Nerita stella* Dillwyn, 1817 and is according to Tryon (1888: 20) the same as *N. chamaeleon* Linnaeus, 1758.
- 614a. *Janthina exigua* Lam. var. *maxima* [no author], Schmeltz, 1869[IV]: 81; 1874[V]: 114. Genus as *Ianthina* in 1874.—*Nomen nudum*.
NOTE: This varietal name was never made available. Possibly it was intended as a descriptive term.
621. *Trochus (Trochocochlea) carinata* [no author], Schmeltz, 1864 [I]: 22. *Nomen nudum*.—*Trochus zebra* Wood, Schmeltz, 1865 (II): 24; 1866[III]: 38.

NOTE: *Trochus carinata* Cantraine, 1835, treated by Tryon (1888: 252) is a Mediterranean species as is *Trochus zebra* Wood, 1828. As neither of the names can apply to an Australian species, the identification of number 621 is not possible.

626. *Turbo porphyritis* [sic; = ...tes] Gmel[in], Schmeltz, 1864[I]: 22.—*Turbo porphyrites* Martyn, Schmeltz, 1865[II]: 24; 1866[III]: 38.—*Lunella porphyrites* Martyn, Schmeltz, 1869[IV]: 100; 1874[V]: 158, in 1869 with synonyms “*T. complanatus* Ch., *T. versicolor* Gm.” *Nomen nudum*.

NOTE: Martyn’s name is not available. His figure was named *Turbo porphyrites* Gmelin, 1791, now considered a synonym of *Lunella cinerea* (Born, 1778).

630. *Patella tramoserica* Martyn, Schmeltz, 1864[I]: 22; 1866[III]: 38; 1869[IV]: 103; 1874[V]: 149, 160. *Nomen nudum*.

NOTE: Martyn’s name is not available. It was made available as *Patella tramoserica* Holten, 1802.

632. *Auricula judae* Chem[nitz], Schmeltz, 1869[IV]: 69; 1874[V]: 96. *Nomen nudum*.—As of Lam[arck] in 1864[I]: 23.—*Auricula auris judae* L[innaeus], Schmeltz, 1865[II]: 26; 1866[III]: 28. This is a case where Schmeltz reverted to a Chemnitz name when he had previously attributed it to Linnaeus.

NOTE: This is *Ellobium aurisjudae* (Linnaeus, 1758).

634. *Aeolis lepadivora* Gräffe nov. sp., Schmeltz, 1864[I]: 23; 1865[II]: 26; 1866[III]: 39; 1869[IV]: 105. In 1865 with note “found floating on a *Sepia* cuttlebone” [translated herein]; not tagged as “n. sp.” after 1865. *Nomen nudum*.

NOTE: Placed in synonymy of *Fiona pinnata* (Eschscholtz, 1831) by Bergh (1873a: JMG, 1(2): 159 [87]).

652. *Clio pyramidata* Browne?, Schmeltz, 1864[I]: 24.—*Cleodora pyramidata* Browne, Schmeltz, 1865[II]: 27; 1866[III]: 40; 1869[IV]: 106. *Nomen nudum*.

NOTE: Browne’s [1756] work is pre-Linnaean. This is *Clio pyramidalis* Linnaeus, 1767.

653. *Stiliola* [sic] *annulata* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 24; 1865[II]: 27; 1869[IV]: 107. Not as “n. sp.” after 1864. *Stiliola* is an incorrect spelling of *Styliola* and was correctly rendered in the 1869 listing. *Nomen nudum*.

NOTE: No description of this species has been located.

654. *Stiliola* [sic] *lata* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 24; 1865[II]: 27. *Nomen nudum*.

NOTE: No description of this species has been located.

656. *Spondylus ducalis* Cuv[ier], Schmeltz, 1864[I]: 24. *Nomen nudum*.—*Spondylus ducalis* Chemn[itiz], Schmeltz, 1865 [II]: 27; 1866[III]: 42, [IV]: 116; 1874[V]: 178. *Nomen nudum*.

NOTE: Not of Cuvier. Chemnitz’s name is not available. His name was made available as *Spondylus ducalis* Röding, 1798. The earlier name *Spondylus squamosus* Schreibers, 1793 is used by those who consider Schreibers’s work to be binominal.

- 660a. *Malleus albus* Chem[nitz], Schmeltz, 1869[IV]: 115. *Nomen nudum*.

NOTE: Chemnitz’s name is not available. It was made available as *Malleus albus* Lamarck, 1819.

670. *Pinna nigra* Ch[emnitz], Schmeltz, 1874[V]: 176. *Nomen nudum*.

NOTE: Chemnitz’s name is not available. It was made available as *P. nigra* Dillwyn, 1817 which is considered by Huber (2010) to be a synonym of *Atrina vexillum* (Born, 1778).

672. *Pinna chemnitzii* Dkr. [= Dunker], Schmeltz, 1864[I]: 24; 1865[II]: 27; 1866[III]: 42; 1869[IV]: 115; 1874[V]: 176, 180. *Nomen nudum*.

NOTE: No description of this species by Dunker has been located. Possibly an error for *Pinna chemnitzii* Hanley, 1858.

676. *Arca (Barbatia) grayana* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 24. *Nomen nudum*.—*Arca grayana* Dkr. [= Dunker], Schmeltz, 1866[III]: 41. *Nomen nudum*.

NOTE: = *Barbatia grayana* Dunker, 1867.

682. *Modiola plumescens* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 25; 1865 [II]: 28; 1866[III]: 42.—*Perna (Modiola) plumescens* Dkr. [= Dunker], Schmeltz, 1874[V]: 180. *Nomen nudum*. Not as “n. sp.” after 1864.

NOTE: = *Modiola tumescens* Clessin, 1888. See Taxa Note 2.

684. *Chama macrophyllum* [sic] Chemn[itiz], Schmeltz, 1864[I]: 25. *Nomen nudum*.—*Chama macrophylla* [sic] Chemn[itiz], Schmeltz, 1865 [II]: 28; 1866[III]: 41; 1869[IV]: 172. *Nomen nudum*. All localities listed are southern Pacific.

NOTE: Chemnitz’s name is not available. The earliest name for his figures is *Chama macerophylla* Gmelin, 1791. As Gmelin’s species is western Atlantic, it cannot be the species Schmeltz had in hand. The Godeffroy species must remain unidentified.

685. *Tridacna squamosa* Chemn[itiz], Schmeltz, 1864 [I]: 25. *Nomen nudum*.—*Tridacna squamosa* Lam[arck], Schmeltz, 1865 [II]: 28.

NOTE: Chemnitz's name is not available. See next entry (number 686).

686. *Tridacna croceus* Lst. [= Lister], Schmeltz, 1864 [I]: 25. *Nomen nudum*.—*Tridacna crocea* Lam[arck], Schmeltz, 1865 [II]: 28; 1866 [III]: 41.—*Tridacna scapha* Meusch[en], Schmeltz, 1869[IV]: 113, with *T. crocea* Lam. in synonymy.—*Chamettrachaea scapha* Meusch[en], Schmeltz, 1874[V]: 172. *Nomen nudum*.

NOTE: Lister's work is pre-Linnaean and use of his name was an obvious error. Meuschen's name is not available and his species is *Tridacna squamosa* Lamarck, 1819 *fide* Rosewater (1965), who treated *Tridacna crocea* Lamarck, 1819 as a separate species.

687. *Cardium (Trachycardium) vimineum* Mart[yn], Schmeltz, 1869[IV]: 68, with '*C. elongatum* Brug.?' in synonymy. *Nomen nudum*.

NOTE: Martyn's name is not available and his species is said to have been from China. Hylleberg (2004: 831) does not attempt to place this species, stating that it is insufficiently known.

711. *Venus inscripta* Mart[yn], Schmeltz, 1864[I]: 25. *Nomen nudum*.—*Meretrix lusoria* Ch[emnitz], Schmeltz, 1869[IV]: 110; 1874[V]: 168. In 1969 with synonyms "*Card. inscriptum* [sic] Martyn, *Card. virgulatum* Martyn, *V. japonica* Bolt., *Cyth. meretrix* Lam." *Nomen nudum*.

NOTE: Martyn's and Chemnitz's names are not available. This is *Meretrix lusoria* (Röding, 1798).

890. See number 990.

962. *Cassidula sulculosa* Mss. [= Mousson] var. *major*, Schmeltz, 1864[I]: 23. *Nomen nudum*.

NOTE: No record of this variety has been located.

963. *Pythia pantherina* Ad. [= A. Adams, 1851], Schmeltz, 1864[I]: 23; 1866[III]: 28.—*Pythia pantherina* Ad. [= A. Adams] var. *uveana* Mss. [= Mousson], Schmeltz, 1865[II]: iii, 26. *Nomen nudum*.

NOTE: = *Pythia pantherina* A. Adams var. *uveana* Mousson, 1865: 177. See next entry.

963. *Pythia savayensis* [sic] Mss. [= Mousson], Schmeltz, 1869[IV]: 68, with footnote reference to "*P. pantheria* Ad. Cat. I–III". *Nomen nudum*.

NOTE: = *Pythia savaiensis* Mousson, 1869: 345. Number 963 used for two different (or misidentified) species?

968. *Solarium perspectiviunculum (Trochus)* Ch[emnitz], Schmeltz, 1869[IV]: 78. *Nomen nudum*.—*Torinia variegata* Lam[arck], Schmeltz, 1874[V]: 114, with *S. perspectiviunculum* Ch[emnitz] in synonymy.

NOTE: Chemnitz's name is not available. Although it was made available by Dillwyn (1817), the correct name for the species is *Heliacus variegatus* (Gmelin, 1791).

974. *Amalthea rugulosa* Dkr. [= Dunker], Schmeltz, 1869[IV]: 76. *Nomen nudum*.

NOTE: = *Amalthea rugulosa* Dunker, 1871: 151.

977. *Narica vanicora* [no author], Schmeltz, 1864[I]: 18. *Nomen nudum*.—*Narica vanicoro* Q. & G. [= Quoy & Gaimard], Schmeltz, 1865[II]: 19. *Nomen nudum*.—*Vanikoro vanicoro* Q. & G., Schmeltz, 1869[IV]: 76. *Nomen nudum*.—*Vanikoro vanikoro* Q. & G. Schmeltz, 1874[V]: 106. *Nomen nudum*.

NOTE: Identification of this species is not possible as there is no species *vanicora*, *vanicoro*, or *vanikoro* in this genus or associated genera. Quoy & Gaimard used *Vanikoro* as a vernacular name later given genus status by the I.C.Z.N. in Opinion 1009 as of Quoy & Gaimard, 1832. Identification can be made only if a museum specimen with the Godeffroy label is found. See number 6880 for the type species of *Vanikoro*.

978. *Strombus laciniatus* Chemn[itiz], Schmeltz, 1866[III]: 37. *Nomen nudum*.

NOTE: In subsequent Catalogs this species was number 979, q.v.

979. *Strombus laciniatus* Ch[emnitz], Schmeltz, 1869[IV]: 96; 1874[V]: 141. *Nomen nudum*.

NOTE: Chemnitz's name is not available. The earliest available name for the species is *Strombus sinuatus* (Lightfoot, 1786). See number 978.

981. *Pterocera radix bryon.* Ch[emnitz], Schmeltz, 1865[II]: 20, with "*truncata* Lam." in synonymy.—*Pteroceras radix bryoniae* Chem[nitz], Schmeltz, 1866[III]: 36, with "*truncata* Lam." in synonymy.—*Pteroceras (Harpago) radix bryoniae* Ch[emnitz], Schmeltz, 1869[IV]: 97, with synonyms "*Pt. truncata* Lam." and "*S. bryoniae* Gm."—*Harpago radix bryoniae* Ch[emnitz], Schmeltz, 1874[V]: 141, 157 with "*Pt. truncata* Lam." in synonymy on page 141. *Nomen nudum*.

NOTE: Chemnitz's name is not available. The earliest available name for the species is *Lambis truncata* [Lightfoot, 1786].

982. *Dolium lactescens* Mart[ini], Schmeltz, 1865[II]: 20, with ("*costatum* Desh.)" in synonymy.—*Dolium lactescens* Mart[ini], Schmeltz, 1869[IV]: 95; 1874[V]: 140. *Nomen nudum*.

NOTE: Martini's name is not available. The earliest available name for this species is *Tonna allium* (Dillwyn, 1817).

986. *Ranella (Lampas) bufo* Chemn[itiz], Schmeltz, 1869[IV]: 95. *Nomen nudum*.—*Bursa (Ranella) bufo* Ch[emnitz], Schmeltz, 1874[V]: 139, 157. *Nomen nudum*.

NOTE: Chemnitz's name is not available. This is *Bursa bufonaria* (Gmelin, 1791).

990. *Tritonium (Gutternium) nodulum* Mart[ini], Schmeltz, 1869[IV]: 95; 1874[V]: 140, 157 (as number 890 on

- page 157 in error), with synonyms “*T. tuberosum* Lam., *Distorsio muricina* Bolt., *M. ranula* Meusch.” in 1869. *Nomen nudum*. – *Tritonium tuberosum* Lam[arck], Schmeltz, 1865[II]: 20.
- NOTE: Martini’s name is not available. *Tritonium tuberosum* Lamarck, 1822, although correct, is not the earliest available name; it and *D. muricina* Bolt. [= Röding] are both now placed in the synonymy of *Cymatium muricinum* (Röding, 1798). Also in that synonymy is *Triton nodulus* Link which was based on Martini’s figure.
1014. *Conus vexillum* Martini, Schmeltz, 1864[I]: 19; 1866[III]: 35; 1869[IV]: 92; 1874[V]: 135, 155. *Nomen nudum*. In subgenus *Rhizoconus* in 1869 and 1874.
- NOTE: Martini’s name is not available. This is *Conus vexillum* Gmelin, 1791.
1016. *Conus godeffroyi* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 19. *Nomen nudum*.
- NOTE: No description of this species has been located. The name for species number 1016 in Catalog [III]: 35 is *Conus distans* Hw[ass, 1792].
1024. *Conus lividus* Chem[nitz], Schmeltz, 1864[I]: 19. *Nomen nudum*.
- NOTE: Chemnitz’s name is not available. In Catalog III and later issues this species was correctly listed as *Conus lividus* Hwass, 1792.
1034. *Oliva emicator* Meusch[en], Schmeltz, 1869[IV]: 82; 1874[V]: 117, 152; with a list of seven synonyms in Catalog IV. *Nomen nudum*.
- NOTE: Meuschen’s name is not available. The first available name for this species is *Oliva annulata* (Gmelin, 1791), one of the synonyms listed in Catalog IV.
- 1034a. *Dactylus porphyreticus* Mart[ini] var., Schmeltz, 1877[VI]: 105. *Nomen nudum*.
- Note: See number 1871.
1036. *Mitra papalis* Lmk. [= Lamarck], Schmeltz, 1864[I]: 20.—*Mitra papalis* L[innaeus], Schmeltz, 1865[II]: 21; 1866[III]: 32.—*Mitra cincta* Meusch[en], Schmeltz, 1869[IV]: 83; 1874[V]: 117, with “*M. pontificalis* Lam.”, “*M. episcopal minor* Ch.” and “*M. coronata* Sch.” as synonyms.—*Mitra cincta* Meusch[en], Schmeltz, 1874[V]: 153.
- NOTE: Meuschen’s name is not available. = *Mitra papalis* (Linnaeus, 1758).
1037. *Mitra cardinalis* Gronob. [= Gronovius], Schmeltz, 1864[I]: 20. *Nomen nudum*.—*Mitra cardinalis* Meusch[en], Schmeltz, 1865[II]: 21; 1866[III]: 32; 1874[V]: 153; 1869[IV]: 83; (with “*M. vermiculosa* Martyn” in synonymy in 1869). *Nomen nudum*.
- NOTE: Gronovius’s and Meuschen’s names are not available. = *Mitra cardinalis* (Gmelin, 1791).
1039. *Mitra (Chrysame) cucumerina* Mart[ini], Schmeltz, 1869[IV]: 136. *Nomen nudum*.
- NOTE: Martini’s name is not available. This species properly attributed to Lamarck, 1811 in earlier and later Catalogs.
1040. *Mitra (Nebularia) digitalis* Chemn[itiz], Schmeltz, 1869[IV]: 83; 1874[V]: 153. *Nomen nudum*.—*Mitra milleporus* Lmk. [= Lamarck], Schmeltz, 1864[I]: 20; 1865[II]: 21; 1866[III]: 32.
- NOTE: Chemnitz’s name is not available. The earliest available name for this species is *Mitra imperialis* Röding, 1798.
1041. *Mitra filaris* L[innaeus] var. *nexilis* Mart[yn], Schmeltz, 1877[VI]: 86. *Nomen nudum*.
- NOTE: Martyn’s name is not available. = *Mitra nexilis* Lamarck, 1811, now considered [e.g., Cernohorsky (1991: 90)] a synonym of *Cancilla filaris* (Linnaeus, 1771). This variety was listed as number 9679 in 1874[V]: 118. In 1869[IV]: 83 the variety *nexilis* was listed under number 1038 as a synonym of *M. filaris*.
1044. *Mitra exasperata* Chemn[itiz], Schmeltz, 1864[I]: 20; 1866[III]: 32.—*Turricula (Costellaria) exasperata* Ch[emnitz], Schmeltz, 1869[IV]: 84; 1874[V]: 119. *Nomen nudum*.
- NOTE: Chemnitz’s name is not available. = *Vexillum exasperatum* (Gmelin, 1791). A Corrigenda in 1874[V]: 210 added “*M. arenosa* Lam.” as a synonym.
- 1048a. *Engina mendicaria* Lam. var. *unifasciata* [no author], Schmeltz, 1869[IV]: 88. *Nomen nudum*.
- NOTE: This was not intended for *Columbella unifasciata* G. B. Sowerby I, 1832 as it is number 5891 in Catalog [V]: 126. Identity cannot be determined.
1054. *Fasciolaria filamentosa* Chemn[itiz], Schmeltz, 1865[II]: 22; 1866[III]: 34 ; 1869[IV]: 87 ; 1874[V]: 119, 154. *Nomen nudum*.
- NOTE: Chemnitz’s name is not available. = *Fasciolaria filamentosa* (Röding, 1798).
1056. *Turbinella spinosa* Mart[yn], Schmeltz, 1864[I]: 20; 1865[II]: 23; 1866[III]: 34. *Nomen nudum*.—*Peristernia spinosa* Mart[yn], Schmeltz, 1869[IV]: 88; 1877[VI]: 106. *Nomen nudum*.
- NOTE: Martyn’s name is not available. His name placed in synonymy of *Peristernia columbarium* (Gmelin, 1791) by Cernohorsky (1972: 159–160).
1064. *Nassa velicata* Meusch[en], Schmeltz, 1865[II]: 22; 1866[III]: 33.—*Nassa vellicata* [sic] Meusch[en], Schmeltz, 1869[IV]: 86; 1874[V]: 123, 159; with *N. rumphi* Deshayes as a synonym in 1865 and 1869. *Nomen*

nudum.

NOTE: Meuschen's name is not available. His species and *Nassa rumphi* Deshayes, 1844 are not conspecific, the latter being restricted to the western Indian Ocean. The species in question is probably *Nassarius gaudiosa* (Hinds, 1844b).

1066. *Purpura armigera* Ch[emnitz], Schmeltz, 1864[I]: 20; 1865[II]: 23; 1866[III]: 33; 1869[IV]: 85, 137; 1874[V]: 122, 154. *Nomen nudum*.

NOTE: Chemnitz's name is not available. His name was made available and is now *Reishia armigera* (Link, 1807).

- 1067a. *Murex tribulus* L[innaeus]. Lam[marck] var. *major* [no author], Schmeltz, 1869[IV]: 89. *Nomen nudum*.

1068. *Jopas sertum* Martini, Schmeltz, 1869[IV]: 137. *Nomen nudum*.

NOTE: Martini's name is not available. Correctly attributed to Bruguière in other Catalogs. = *Nassaserta* (Bruguière, 1789).

1074. *Ricinula globosa* Mart[ini], Schmeltz, 1865[II]: 23; 1866[III]: 33; 1869[IV]: 84; in 1869 with synonyms "*R. horrida* Lam., *Drupa morum* Bolt., *Murex neritoideus*".—*Pendactylus globosus* Mart[ini], Schmeltz, 1874[V]: 121. *Nomen nudum*.

NOTE: Martini's name is not available. The earliest available name for this species is *Drupa morum* Röding, 1798.

1075. *Harpa nobilis* Rumph[ius], Schmeltz, 1864[I]: 21. *Nomen nudum*.—*Harpa nobilis* Mart[ini], Schmeltz, 1865[II]: 23; 1866[III]: 31; 1869[IV]: 82; 1874[V]: 116. *Nomen nudum*.

NOTE: Rumphius is pre-Linnaean and Martini's name is not available. Rumphius's figure was referenced in the description of *Harpa harpa* (Linnaeus, 1758).

1076. *Harpa nablium* Mart[ini], Schmeltz, 1864[I]: 21; 1865[II]: 23; 1866[III]: 32; 1869[IV]: 82; 1874[V]: 116; 1877[VI]: 105, with "*articularis* Lam." in synonymy in 1865 and with three names in synonymy in 1869. *Nomen nudum*.

NOTE: Martini's name is not available. It is assumed that Schmeltz's synonymy is correct and this is *Harpa articularis* Lamarck, 1822.

- 1076a. *Harpa major* Mart[ini], Schmeltz, 1869[IV]: 82; 1874[V]: 116, 152, with *H. conoidalis* Lam. in synonymy. *Nomen nudum*.

NOTE: Martini's name is not available. This is *Harpa major* Röding, 1798.

1078. *Pyramidella punctata* Chemn[itiz], Schmeltz, 1864[I]: 21; 1865[II]: 23. *Nomen nudum*. *Obeliscus punctatus* Chemn[itiz], Schmeltz, 1869[IV]: 78; 1874[V]: 108, 151. *Nomen nudum*.

NOTE: Chemnitz's name is not available. The name is available from the 13th volume of "Martini-Chemnitz" where it was introduced as *Pyramidella punctata* Schubert & Wagner, 1829.

1079. *Nerita (Pila) maxima* Ch[emnitz], Schmeltz, 1869[IV]: 99; 1874[V]: 158, with (1869: 99) footnote that it is *Nerita chrysostoma* Recl[uz] of Catalog III. *Nomen nudum*.—*Nerita chrysostoma* Recl[uz], Schmeltz, 1864[I]: 22; 1865[II]: 23; 1866[III]: 37.

NOTE: Chemnitz's name is not available. His name was made available as *Nerita maxima* Gmelin, 1791. It was considered by Tryon (1888) to be separable from *N. chrysostoma* Récluz, 1841.

1085. *Delphinula atrata* Ch[emnitz], Schmeltz, 1864[I]: 22; 1865[II]: 24; 1866[III]: 38. *Nomen nudum*.—*Delphinula (Angaria) atrata* Bolt., Schmeltz, 1869[IV]: 102; 1879[VII]: 88. *Nomen nudum*.—*Angaria atrata* Ch[emnitz], Schmeltz, 1874[V]: 148. *Nomen nudum*.

NOTE: Chemnitz's name is not available. This species is *Angaria delphinus* (Linnaeus, 1758).

1086. *Turbo crassus* [no author], Schmeltz, 1864[I]: 22; 1865[II]: 24.—*Turbo crassus* Sow[erby], Schmeltz, 1866[III]: 38.—*Senectus crassus* Gray, Schmeltz, 1869[IV]: 100; 1874[V]: 145. *Nomen nudum*.

NOTE: This name was not introduced by any of the Sowerbys or by Gray. It is an apparent lapsus for *Turbo crassus* Wood, 1828.

- 1086a. *Fissurella fornicata* Dkr. [= Dunker], Schmeltz, 1869[IV]: 149. *Nomen nudum*.

NOTE: No description of this species has been located.

- 1088a. *Senectus chrysostomus* L. var. *mutica* [no author], Schmeltz, 1869[IV]: 100; 1874[V]: 144, 158. *Nomen nudum*.

NOTE: No description of this variety has been located.

1090. *Haliotis ovina* Chemn[itiz], Schmeltz, 1864[I]: 22; 1865[II]: 24; 1866[III]: 38.—*Padollus ovinus* Chemn[itiz], Schmeltz, 1869[IV]: 102; 1874[V]: 159. *Nomen nudum*.

NOTE: Chemnitz's name is not available. = *Haliotis ovina* Gmelin, 1791.

1097. *Dolabella scapula* Martyn, Schmeltz, 1874[V]: 162, 163; with "*D. rumphii* Cuv." in synonymy on page 162. *Nomen nudum*.

NOTE: Martyn's name is not available. = *Dolabella auricularia* [Lightfoot, 1786].

1110. *Haminea subrufa* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 23; 1869[IV]: 104. *Nomen nudum*. Not as “nov. sp.” in 1869.
NOTE: No description of this species has been located.
1111. *Hydatina virgata* Martyn, Schmeltz, 1869[IV]: 104; 1874[V]: 161, 162; with synonyms “*B. physis* Q. & G.” and “*B. quoyana* d’Orb.” in 1869. *Nomen nudum*.
NOTE: Martyn’s name is not available. = *Hydatina physis* (Linnaeus, 1758).
1112. *Stomatella godeffroyi* Dkr. [= Dunker], Schmeltz, 1866[III]: 38; 1869[IV]: 102. *Nomen nudum*.
NOTE: ?= *Stomatella mariei* Crosse, 1871 *fide* Pilsbry (1891a: 71).
1113. *Terebratula sanguinea* Chemn[itiz], Schmeltz, 1864[I]: 24; 1865[II]: 27; 1866[III]: 42.
NOTE: Although listed among the Mollusca by Schmeltz, this is a brachiopod, *Terebratula sanguinea* (Leach, 1814).
1114. *Ostrea hyotis* Chemn[itiz], Schmeltz, 1864[I]: 24; 1865[II]: 27; 1866[III]: 42; 1869[IV]: 116; 1874[V]: 178. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is *Hyotissa hyotis* (Linnaeus, 1758).
- 1116a. *Pecten schmeltzii* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 116; 1874[V]: 177. Not as “n. sp.” in 1874. *Nomen nudum*.
NOTE: Described as *Pecten schmeltzii* Kobelt in Küster & Kobelt, 1888, ex Dunker MS, a junior subjective synonym of *Pascahinnites coruscans* (Hinds, 1845), see Dijkstra & Köhler (2008: 41). See number 9381.
1117. *Macra adpersa* [no author], Schmeltz, 1864[I]: 26. *Nomen nudum*.—*Macra achatina* Chemn[itiz], Schmeltz, 1865[II]: 29; 1866[III]: 29.—*Trigonella achatina* Chemn[itiz], Schmeltz, 1869[IV]: 108, with synonyms “*Macra adpersa* Dkr. [= Dunker], *M. maculosa* Lam., *M. maculata* Hanl.” *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This name was made available as *Macra achatina* Holten, 1802.
1119. *Lima fragilis* Chemn[itiz], Schmeltz, 1864[I]: 24; 1865[II]: 27; 1866[III]: 42; 1869[IV]: 116; 1874[V]: 180. In subgenus *Mantellum* after 1866. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is *Limaria fragilis* (Gmelin, 1791).
1120. *Avicula longicanda* [sic] Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 24; 1866[III]: 42. Not as “n. sp.” in 1866. *Nomen nudum*.
NOTE: No record of this name ever having been made available has been located. Unless a specimen with a Godeffroy label can be located, it must remain unidentified.
1120. *Pinna (Atrina) saccata* L[innaeus], Schmeltz, 1874[V]: 176.
NOTE: number evidently used twice in error.
1121. *Perna acutirostris* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 24; 1865[II]: 27; 1866[III]: 42; 1869[IV]: 115. Not as “n. sp.” after 1864. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. Listed in the extensive synonymy of *Isognomon isognomon* (Linnaeus, 1758) by Fischer-Piette (1976: 15) with reference only to Schmeltz, 1869. Dunker’s name made available as *Isognomon acutirostris* Otuka, 1936 (G. Rosenberg, pers. comm.).
1124. *Arca scapha* Chemn[itiz], Schmeltz, 1864[I]: 24. *Nomen nudum*.—*Anomalocardia scapha* Chemn[itiz], Schmeltz, 1869[IV]: 114; 1874[V]: 174, 180. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. The species is *Arca antiquata* Linnaeus, 1758.
1127. *Arca lactea* List[er], Schmeltz, 1864[I]: 24; 1865[II]: 27; 1866[III]: 42. *Nomen nudum*.—*Arca umbonata* Lam[arck], Schmeltz, 1869[IV]: 114.
NOTE: Lister’s work is pre-Linnaean and *Arca umbonata* Lamarck is from the western Atlantic. *Arca lactea* Lamarck, 1819 is based on Lister’s figure but it is an eastern Atlantic species. Correct identification of Schmeltz’s material, from Samoa and Fiji, cannot be determined.
1128. *Arca (Barbatia) mollis* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 24; 1866[III]: 42. Not as “n. sp.” in 1866 or in a subgenus. *Nomen nudum*.
NOTE: = *Barbatia mollis* Dunker, 1867 [in 1858–1878].
1130. *Modiola multistriata* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 25; 1865[II]: 28. Not as “n. sp.” in 1865. *Nomen nudum*.—*Crenella multistriata* Dkr. [= Dunker], Schmeltz, 1866[III]: 42; 1869[IV]: 114; 1874[V]: 175. *Nomen nudum*.
NOTE: No use of this name by Dunker has been located. Number 1130 was listed by Schmeltz, 1879[VII]: 89 as *Anapa triquetra* Hanley, which must be considered an error.
1132. *Tridacna elongata* Gualt[ieri], Schmeltz, 1864[I]: 25. *Nomen nudum*.
NOTE: Gualtieri’s name is not available. Name is correctly attributed to Lamarck, 1819 in later Catalogs.
1137. *Lucina squamosa* [no author], Schmeltz, 1864[I]: 25. *Nomen nudum*.—*Lucina fibula* Reeve, Schmeltz, 1869[IV]: 113.—*Lucina ramulosa* Gld. [= Gould], Schmeltz, 1874[V]: 172, with “*L. fibula* Rv.” and “*L.*

divergens Phil.?" in synonymy.

NOTE: *Lucina ramulosa* Gould, 1850 appears to be the species intended by Schmeltz. Gould's species has been recently treated by Glover & Taylor (2007: 134) as a synonym of *Ctena bella* (Conrad, 1837).

1138. *Lucina globosa* [no author], Schmeltz, 1864[I]: 25. *Nomen nudum*.—*Lucina ovum* Reeve, Schmeltz, 1865[II]: 28; 1866[III]: 41.—*Loripes ovum* Reeve, Schmeltz, 1869[IV]: 113.

NOTE: Treated as *Anodontia ovum* (Reeve, 1850) by Glover & Taylor (2007: 112).

1144. *Tellina costulata* Dkr. [= Dunker] nov. sp., Schmeltz, 1864[I]: 25; 1866[III]: 40; 1869[IV]: 108. Not as "n. sp." after 1864; in subgenus *Tellinella* in 1869. *Nomen nudum*.

NOTE: No description of this species has been located. Not of Goldfuss, 1840.

1146. *Donax (Latona) faba* Chemn[itiz], Schmeltz, 1864[I]: 25; 1865[II]: 28 ; 1866[III]: 40 ; 1869[IV]: 108. *Nomen nudum*.

NOTE: Chemnitz's name is not available. = *Donax (Latona) faba* (Gmelin, 1791).

- 1315a. *Navicella pala* var. *profunda* Mss. [= Mousson], Schmeltz, 1866[III]: 37; 1869[IV]: 97 ; 1874[V]: 143. In genus *Catillus* in 1874. *Nomen nudum*.

NOTE: No description of this variety has been located.

1317. *Omphalotropis zebriolatus* Mss. [= Mousson], Schmeltz, 1864[I]: 17; 1865[II]: 18. *Nomen nudum*.

NOTE: = *Omphalotropis zebriolatus* Mousson, 1865.

1318. *Omphalotropis parvus* Mss. [= Mousson], Schmeltz, 1864[I]: 17. *Nomen nudum*.

NOTE: = *Omphalotropis parva* Mousson, 1865: 199. See other number 1318 below.

1318. *Hydroceana* [sic; = *Hydrocena*] *parvula* Mss. [= Mousson], Schmeltz, 1865[II]: 18. *Nomen nudum*.

NOTE: = *Hydrocena parvula* Mousson, 1865: described from Upolu with the comment that Graeffe had considered it to be an *Omphalotropis*. It appears that Schmeltz used the same number for two species, one from Samoa and one from Fiji. See other number 1318 above.

1319. *Omphalotropis ovatus* Mss. [= Mousson], Schmeltz, 1865[II]: 18. *Nomen nudum*.

NOTE: = *Omphalotropis ovata* Mousson, 1865.

1320. *Omphalotropis perforatus* Mss. [= Mousson], Schmeltz, 1864[I]: 17; 1865[II]: 18. *Nomen nudum*.

NOTE: = *Omphalotropis perforata* Mousson, 1865.

1321. *Ampullacera maculata* Mss. [= Mousson], Schmeltz, 1864[I]: 17; 1865[II]: 18. *Nomen nudum*.

NOTE: = *Ampullacera maculata* Mousson 1865.

- 1323a. *Melania assavaensis* Mss. [= Mousson] var. *desulcata* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.

NOTE: = *Melania asavaensis* [sic] var. *desulcata* Mousson, 1870b.

1325. *Melania tuberculata* Müll[er]. var. *assavaensis* Mess. [sic; = Mousson], Schmeltz, 1865[II]: iii, 18. *Nomen nudum*.

NOTE: = *Melania tuberculata* Müller var. *assavaensis* Mousson, 1865. Listed correctly in 1866[III]: 31 and 1869[IV]: 78. Listed in 1864[I]: 17 as *Melania virgulata* Fér[ussac], a name often (e.g., Brot 1870) placed in the synonymy of *M. tuberculata*.

1327. *Melania davulus* [sic] Mss. [= Mousson], Schmeltz, 1864[I]: 17. *Nomen nudum*.—*Melania clavulus* Mess. [sic; = Mousson], Schmeltz, 1865[II]: 18. *Nomen nudum*.

NOTE: = *Melania clavulus* Mousson, 1865. Listed with correct spelling in 1866[III]: 31 and 1869[IV]: 79.

1328. *Melania graeffei* Mss. [= Mousson], Schmeltz, 1864 [I]: 17. *Nomen nudum*.—*Melania lutosa* Gld. [= Gould]?, Schmeltz, 1865[II]: iii, 18.—*Melania gräffei* [sic] Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31. *Nomen nudum*.

NOTE: = *Melania lutosa graeffei* Mousson, 1869.

- 1328a. *Melania plicatilis* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.

NOTE: = *Melania plicatilis* Mousson, 1870b.

1349. *Truncatella rustica* Mss. [= Mousson], Schmeltz, 1864[I]: 17; 1865 [II]: 18. *Nomen nudum*.

NOTE: = *Truncatella rustica* Mousson, 1865.

1352. *Helicina vitiensis* Mss. [= Mousson], Schmeltz, 1864[I]: 21; 1865 [II]: 23. *Nomen nudum*

NOTE: = *Helicina vitiensis* Mousson, 1865. Listed as *Helicina musiva* Gld. var. *vitiana* Mss. [= Mousson], Schmeltz, 1869[IV]: 74. Note the difference in spelling in 1869. Also listed by Mousson (1870b: 202) as *H. musiva* var. *vitiana* [sic].

1353. *Helicina pallida* Mss. [= Mousson], Schmeltz, 1869[IV]: 74. *Nomen nudum*.

NOTE: No description of *Helicina pallida* Mousson has been located. There is one of Gould, 1847 from Fiji and one of Pfeiffer, 1848 from Tahiti. We have been unable to determine which, if either, was intended by Schmeltz.

- 1354a. *Helicina beryllina* Gld. [= Gould] var. *zonata* Mss. [= Mousson], Schmeltz, 1869[IV]: 74; 1874[V]: 98,

150. *Nomen nudum*.

NOTE: Listed by Cowie (1998: 22) with reference only to its listing in Paetel (1890: 492) where it is a *nomen nudum*. Cowie listed three earlier uses of this name by other authors but none are for Samoan shells.

1356a. *Navicella schmeltziana* Mss. [= Mousson] n. sp., Schmeltz, 1866[III]: 37; 1869[IV]: 98. Not as “n. sp.” in 1869. *Nomen nudum*.

NOTE: = *Navicella schmeltziana* Mousson, 1870b.

1357. *Neritina canalis* Sow[erby], Schmeltz, 1864[I]: 22.—*Neritina pulligera* var. *subcanalis* Mss. [= Mousson], Schmeltz, 1865[II]: iii, 24. *Nomen nudum*.

NOTE: = *Neritina pulligera* Linnaeus, 1767 var. *subcanalis* Mousson, 1865.

1357a. *Neritina frondosa* Mss. [= Mousson], Schmeltz, 1869[IV]: 98. *Nomen nudum*.

NOTE: = *Neritina frondosa* Mousson, 1870b.

1358. *Neritina dubia* Chemn[it]z, Schmeltz, 1864[I]: 22. *Nomen nudum*.—*Neritina sandalina* Recl[uz], Schmeltz, 1865[II]: 24.—*Neritina helvola* Gld. [= Gould], Schmeltz, 1866[III]: 37; 1869[IV]: 98.—*Neritella helvola* Gld. [= Gould], Schmeltz, 1874[V]: 144.

NOTE: Chemnitz’s name is not available. *Neritina sandalina* Récluz, 1842 and *N. helvola* Gould, 1847 are both available.

1358a. *Neritina turrita* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 37. *Nomen nudum*.—*Neritina turrita* Chemn[it]z, Schmeltz, 1869[IV]: 98. *Nomen nudum*.

NOTE: = *Neritina turrita* (Gmelin, 1791).

1359. *Neritina lugubris* Lam[arck], Schmeltz, 1864[I]: 22.—*Neritina vitiensis* Mss. [= Mousson], Schmeltz, 1865[II]: iii, 24. *Nomen nudum*.

NOTE: = *Neritina vitiensis* Mousson, 1865: 204. Later listed as *Neritina vitiensis* Mss. [= Mousson] “(an *chrysocolla* Gld. ?)”, Schmeltz, 1866[III]: 37. In 1869 Schmeltz listed 1359 and added 1359a, the first considered to be restricted to *N. chrysocolla* Gould, 1847 and the latter to the variety *vitiensis* although both appear to be for the variety. Mousson (1870b: 218) listed his *vitiensis* as a variety of *chrysocolla*.

1359a. *Neritina* (*Neritina*) *chrysocolla* Gld. var. *vitiensis* Mss. [= Mousson], Schmeltz, 1869[IV]: 98.

NOTE: See number 1359 above.

1365. *Nanina upolensis* Mss. [= Mousson], Schmeltz, 1864[I]: 23; 1865[II]: 25. *Nomen nudum*.

NOTE: = *Nanina upolensis* Mousson, 1865.

1366. *Nanina unisulcata* Mss. [= Mousson], Schmeltz, 1864[I]: 23; 1865[II]: 25. *Nomen nudum*.

NOTE: = *Nanina unisulcata* Mousson, 1865.

1367. *Nanina samoensis* Mss. [= Mousson], Schmeltz, 1865[II]: 25. *Nomen nudum*.

NOTE: = *Nanina samoensis* Mousson, 1865.

1367a. *Nanina difficilis* Mss. [= Mousson] (n. sp.?), Schmeltz, 1866[III]: 29. *Nomen nudum*.

NOTE: Listed by Cowie (1998: 71) as *incertae sedis* and *nomen nudum*.

1368. *Nanina fiemastyla* [sic] Mss. [= Mousson], Schmeltz, 1864[I]: 23; 1865[II]: 25. *Nomen nudum*.

NOTE: = *Nanina firmostyla* Mousson, 1865: 166. Considered *incertae sedis* by Baker (1941: 335).

1370. *Zonitas* [sic] *vitiensis* Mss. [= Mousson], Schmeltz, 1864 [I]: 23. *Nomen nudum*.—*Zonites vitiensis* Mss. [= Mousson], Schmeltz, 1865 [II]: 25. *Nomen nudum*.

NOTE: = *Nanina vitiensis* Mousson 1865.

1371. *Patula histricelloides* [sic] Mss. [= Mousson], Schmeltz, 1864[I]: 23; 1865[II]: 25. *Nomen nudum*.

NOTE: = *Patula hystricelloides* Mousson 1865.

1374. *Helix subtrochiformis* Mss. [= Mousson], Schmeltz, 1869[IV]: 73. *Nomen nudum*.

NOTE: = *Trochomorpha subtrochiformis* Mousson, 1869: 335. Listed as *H. eurydice* Gould in Catalogs I–III.

1378. *Partula canalis* Mss. [= Mousson], Schmeltz, 1864[I]: 23; 1865 [II]: 25. *Nomen nudum*.

NOTE: = *Partula canalis* Mousson, 1865.

1379. *Partula upolensis* Mss. [= Mousson], Schmeltz, 1864 [I]: 23. *Nomen nudum*.—*Partula conica* Gld. [= Gould] (*upolensis* Mss. [= Mousson]), Schmeltz, 1865[II]: iii, 25.

NOTE: *Partula conica* Gould, 1847 treated by Mousson, 1865: 171, with no mention of *P. upolensis*. Garrett (1887c: 134) placed *P. upolensis* “Mousson” Schmeltz, [1864] in synonymy of *P. conica*. The name *P. upolensis* was never made available.

1381. *Partula lirata* Mss. [= Mousson], Schmeltz, 1864[I]: 23; 1865[II]: 25. *Nomen nudum*.

NOTE: = *Partula lirata* Mousson, 1865.

1382. *Stenogyra juncea* Gld. [= Gould], Schmeltz, 1864[I]: 23.—*Stenogyria* [sic] *upolensis* Mss. [= Mousson], Schmeltz, 1865[II]: iii. *Nomen nudum*.—*Stenogyra upolenais* [sic] Mss. [= Mousson], Schmeltz, 1865 [II]: 25.

NOTE: = *Stenogyra upolensis* Mousson, 1865. See next entry.

1383. *Stenogyra juncea* Gld. [= Gould] var., Schmeltz, 1864 [I]: 23.—*Stenogyra upolenais* [sic] var. Mss. [= Mousson], Schmeltz, 1865 [II]: 25. *Nomen nudum*.
 Note: In 1866[III]: 29, *S. upolensis* Mss. [= Mousson] was listed for number 1382. In 1869[IV]: 70 the name listed for that number was *S. juncea* Gld. with a wide range of localities. In 1874[V]: 90 it was listed as *Stenogyra juncea* Gld. with *S. upolensis* Mss. [= Mousson] in synonymy and the locality as Südsee-Inseln [South Sea Islands]. The number 1383 was never used after 1864[I]. Mousson compared his species with *Bulimus (Stenogyra) junceus* Gould, 1846. Both *S. juncea* (Gould) and *S. upolensis* Mousson were placed in synonymy of *S. tuckeri* (Pfeiffer, 1846a) by Garrett (1884).
1384. *Physa sublata* Mss. [= Mousson], Schmeltz, 1864[I]: 23; 1874[V]: 96. *Nomen nudum*.—*Physa sinuata* Gld. [= Gould], Schmeltz, 1865[II]: iii (in a list of corrections to Catalog I). *Nomen nudum*.
 NOTE: No description of *Physa sublata* Mousson has been located. There is no indication of the reason Schmeltz reversed his synonymy. *Physa sinuata* Gould, 1847 was treated by Mousson (1865: 171) with no mention of *P. sublata*.
- 1384a. *Physa parvula* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 28; 1869[IV]: 69. *Nomen nudum*.
 NOTE: No description of this species has been located.
1385. *Pupa samoensis* Mss. [= Mousson], Schmeltz, 1864[I]: 23. *Nomen nudum*.—*Pupa pediculus* Shuttl[eworth] var. *samoensis* Mss. [= Mousson], Schmeltz, 1865[II]: iii, 26. *Nomen nudum*.
 NOTE: = *Pupa pediculus* Shuttleworth, 1852 var. *samoensis* Mousson, 1865.
1387. *Batissa tenebrosa* var., Schmeltz, 1864[I]: 24.—*Batissa tenebrosa* H[in]ds var. *elongata* Mss. [= Mousson], Schmeltz, 1865[II]: iii. *Nomen nudum*.—*Batissa tenebrosa* H[in]ds var. *parallela* Mss. [= Mousson], Schmeltz, 1865[II]: iii. *Nomen nudum*.—*Batissa tenebrosa* Ad. [sic; = Hinds] var. *parellela* [sic] Mss. [= Mousson], Schmeltz, 1865[II]: 27. *Nomen nudum*.
 Note: = *Batissa tenebrosa* Hinds, 1842 var. *parallela* Mousson, 1865. There is no mention of *elongata* by Mousson but the prior *Batissa elongata* Prime, 1860 probably came to Mousson's attention.
- 1392a. *Mamma fuscata* Ch[emnitz], Schmeltz, 1869[IV]: 77; 1874[V]: 107, with “*N. brunnea* Lk.” and “*N. mamillaris* Lam.” in synonymy in 1869. *Nomen nudum*.
 NOTE: Chemnitz's name is not available. A Chemnitz figure was named *Natica fuscata* Link, 1807. It has not been determined if it is the Godeffroy species.
- 1393a. *Cookia sulcata* Martyn, Schmeltz, 1869[IV]: 100, with “*Trochus cookii* Gml.” in synonymy. *Nomen nudum*.
 NOTE: Martyn's name is not available. This is *Cookia cookii* (Gmelin, 1791).
1522. *Boltenia pedunculata* ? [no author], Schmeltz, 1864 [I]: 26.
 NOTE: Listed at the end of the Gastropoda, this, and the succeeding species (numbers 718–733), are not mollusks but are members of the Tunicata. Also listed under Mollusca in 1865[II]: 29 and 1866[III]: 43, after which they are placed in a separate section.
- 1529a. *Diloma nigerrimum* Ch[emnitz], Schmeltz, 1869[IV]: 101; Schmeltz, 1874[V]: 147, 159; with “*Tr. araucanus* d'Orb.” in synonymy in 1869. *Nomen nudum*.
 NOTE: Chemnitz's name is not available. This is *Monodonta nigerrima* Gmelin, 1791.
1536. *Venus seelandica* Chemn[it]z, Schmeltz, 1865[II]: 29; 1866[III]: 41. *Nomen nudum*.
 NOTE: Chemnitz's name is not available. No record has been found that would permit identification of this species.
1572. *Ricinula (Morula) rudis* Dkr. [= Dunker], Schmeltz, 1865[II]: 23. *Nomen nudum*.—*Morula rudis* Dkr. [= Dunker], Schmeltz, 1866[III]: 33. *Nomen nudum*.
 NOTE: No description of this species has been located.
- 1574a. *Onchidium tumidum* Semp[er], Schmeltz, 1879[VII]: 86. *Nomen nudum*.
 NOTE: = *Onchidium tumidum* Semper, 1880.
1604. *Turbinella prismatica* Mart[yn], Schmeltz, 1865[II]: 22; 1866[III]: 34; 1869[IV]: 88.—*Peristernia prismatica* Mart[yn], Schmeltz, 1874[V]: 155. *Nomen nudum*.
 NOTE: Martyn's name is not available. The earliest name for this species is *Latirus irus* [Lightfoot, 1786] *fide* Rehder (1967: 7).
1606. *Ricinula (Sistrum) alba* Mart[ini], Schmeltz, 1869[IV]: 85, with synonyms “*R. morus* Lam., *Drupa uva* Bolt.” *Nomen nudum*.—*Pentadactylus albus* Mart[ini], Schmeltz, 1874[V]: 121, 153. *Nomen nudum*. Earlier listed as *Ricinula morus* Lam[arck], Schmeltz, 1865[II]: 23; 1866[III]: 33 (as *Morula* in 1866).
 NOTE: Martini's name is not available. The earliest available name for this species is *Morula uva* (Röding, 1798).
1641. *Navicella haustrum* Reeve var. *fissa* Mss. [= Mousson], Schmeltz, 1869[IV]: 97. *Nomen nudum*. Listed as *N. affinis* Reeve in Catalog III.

- NOTE: = *Navicella haustum* Reeve, 1856 var. *fissa* Mousson, 1869.
1736. *Partula faba* Martyn, Schmeltz, 1866[III]: 29; 1869[IV]: 71. *Nomen nudum*.
NOTE: Martyn's name is not available. = *Partula faba* (Gmelin, 1791).
1747. *Achatinella colorata* Reeve var. *senistra* [no author; error for *sinistra*?], Schmeltz, 1865 [II]: 25; 1866[III]: 29. *Nomen nudum*.
NOTE: No record has been located of this variety being described. Probably used to indicate sinistral specimens of *A. colorata* Reeve, 1850.
1758. *Achatinella splendida* Newc[omb] var. *dextra* [no author], Schmeltz, 1865[II]: 25; 1866[III]: 29.
NOTE: No record has been located of this variety being described. Almost certainly used simply to indicate dextral specimens of *A. splendida* Newcomb, 1853 which occurs as both dextral and sinistral morphs.
1763. *Cyclophorus upolensis* Mss. [= Mousson], Schmeltz, 1865[II]: 18. *Nomen nudum*.
NOTE: = *Cyclophorus upolensis* Mousson, 1865.
1764. *Omphalotropis bifilaris* Mss. [= Mousson], Schmeltz, 1865[II]: 18. *Nomen nudum*.
NOTE: = *Omphalotropis bifilaris* Mousson, 1865.
- 1764a. *Omphalotropis angulata* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 30. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located. Listed by Cowie (1998: 81) as *incertae sedis* and attributed to Schmeltz, 1866.
1765. *Helicina plicatilis* Mss. [= Mousson], Schmeltz, 1865[II]: 23. *Nomen nudum*.
NOTE: = *Helicina plicatilis* Mousson, 1865.
1766. *Neritina humerosa* Mss. [= Mousson], Schmeltz, 1865[II]: 24. *Nomen nudum*.
NOTE: = *Neritina humerosa* Mousson, 1865: 188. Placed in synonymy of *Corona ruginosa* (Récluz, 1841) by Mousson, 1869.
- 1766a. *Neritina humerosa* Mss. [= Mousson] var. *inermis* Mss. [= Mousson], Schmeltz, 1866[III]: 37. *Nomen nudum*.—*Clithon ruginosus* Recl. var. *inermis* Mss. [= Mousson], Schmeltz, 1869[IV]: 99 ; 1874[V]: 143. *Nomen nudum*.
NOTE: No description of the variety *inermis* by Mousson has been located.
1767. *Nanina schmeltzana* [sic] Mss. [= Mousson], Schmeltz, 1865[II]: 25. *Nomen nudum*.
NOTE: = *Nanina schmeltziana* Mousson, 1865.
- 1770a. *Melampus semisulcatus* Mss. [= Mousson], Schmeltz, 1869[IV]: 68. *Nomen nudum*.
NOTE: = *Melampus semisulcatus* Mousson, 1869.
1771. *Pupa problematica* Mss. [= Mousson], Schmeltz, 1865[II]: 26. *Nomen nudum*.—*Moussonia typica* O. Semper (previously *Pupa problematica* Mss. [= Mousson], according to footnote), 1866[III]: 30.
NOTE: = *Pupa problematica* Mousson, 1865: 176. *Moussonia typica* Semper, 1865 was introduced as a synonym of *P. problematica* Mousson, 1865. Although introduced in synonymy it was later made available by Garrett (1887: 146). The senior synonym is *P. problematica* Mousson, 1865, the type species of *Moussonia* Semper, 1865.
1776. *Rissoina semiplicata* Dkr. [= Dunker], Schmeltz, 1865[II]: 18; 1866[III]: 30; 1869[IV]: 75. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. Possibly an error for *Rissoina semiplicata* Pease (1863a: 242) described from Howland Island?
1777. *Defrancia rosea* Dkr. [= Dunker], Schmeltz, 1865[II]: 19; 1866[III]: 32. *Nomen nudum*.
NOTE: No description of this species has been located.
- 1778a. *Triforis granulifera* Dkr. [= Dunker], Schmeltz, 1874[V]: 113. *Nomen nudum*.
NOTE: No description of this species has been located.
1779. *Rissoina striolata* Risso, Schmeltz, 1866[III]: 30; 1869[IV]: 75.—*Rissoina pusilla* Brocchi, Schmeltz, 1874[V]: 104, with *R. striolata* Risso in synonymy.
NOTE: This synonymy was repeated by Weinkauff (1880: 26) who also included in the synonymy *Rissoina cincta* Dunker (see 3304a of this list). Weinkauff, in error, attributed the Catalog IV listing of *R. striolata* to Dunker.
1780. *Rissoina mirabilis* Dkr. [= Dunker], Schmeltz, 1865[II]: 18; 1866[III]: 30; 1869[IV]: 75. *Nomen nudum*.—*Isselia mirabilis* Dkr. [= Dunker], Schmeltz, 1874[V]: 110. *Nomen nudum*.
NOTE: = *Rissoina* (*Isseliella*) *mirabilis* Weinkauff, 1881. For the genus *Isselia*, see Taxa Notes 3.
1781. *Bittium dunkeri* Nobis, Schmeltz 1874[V]: 112, with synonym “*B. gibberulum* C.B. Ad. Mus. God. Cat. IV [p.80].” *Nomen nudum*.
NOTE: This is a new name for a listing only and is a *nomen nudum*. On page 113 [number 6816] there is *Bittium dunkeri* Nob. var. *lineata* with no references.
1782. [sic; = number 1784, q.v.] *Bittium lineatum* Dkr. [= Dunker], Schmeltz, 1865[II]: 19. *Nomen nudum*.

1782. *Rissoina cerithiformis* Dkr. [= Dunker], Schmeltz, 1865[II]: 18. *Nomen nudum*.—*Rissoina cerithiiformis* Dkr. [= Dunker], Schmeltz, 1866[III]: 30; Schmeltz, 1869[IV]: 75. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. The spellings *cerithiformis* and *cerithiiformis* are as published. In Catalog 1874[V]: 103 *R. cerithiiformis* appears under *R. erythraea* Philippi [1851]. See Taxa Notes 3 for identification of *Rissoina* in this Catalog. Schmeltz's placement was repeated by Weinkauff (1880: 39). Ponder (1985: 84) listed *Rissoa cerithiiformis* Dunker, 1887 as a *nomen nudum* but without a reference. This is certainly an error for *Rissoina cerithiiformis* Tryon, 1887. Tryon made the name available (1887: 384) but attributed it to Dunker.
1783. *Bittium multigranosum* Dkr. [= Dunker], Schmeltz, 1865[II]: 19; 1869[IV]: 80. *Nomen nudum*.
NOTE: No description of this species has been located. A specimen in the Academy of Natural Sciences (ANSP 17959) is labeled *B. multigranosum* Deshayes from Upolu but no introduction of the name by Deshayes has been found. This name appears on a number of data bases based on its use in lists and in the ANSP.
1784. *Bittium lineatum* Dkr. [= Dunker], Schmeltz, 1865[II]: 19 [as number 1782]; 1866[III]: 32; 1869[IV]: 80; 1874[V]: 112. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. = *Cerithium lineatum* Tryon, 1887: 143, pl. 27, figs. 27, 28 (ex Dunker). Tryon did not give a page or plate reference to Dunker but he figured two specimens and made the name available. There are four specimens in ANSP 17730, which have been examined by Gary Rosenberg who advises that they were considered “problematic lots” and that the label is simply “*C. lineatum* Dunker. Viti Islands.” There is another lot, ANSP 17729, labeled “*B. lineatum*, Dkr. Godeffroy Exp. Samoan Isles”. Rosenberg does not consider these to be type material as Tryon did not mention a locality.
Cerithium lineatum Tryon is preoccupied by Lamarck, 1822 and was renamed *Cerithium sergentum* Jousseaume, 1931: 284. Treated in detail by Ladd (1972: 30–31) as *Bittium sergentum* (Jousseaume).
1790. *Melampus angustus* Mss. [= Mousson] (nov. sp.?), Schmeltz, 1866[III]: 28; 1869[IV]: 68. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *M. adamsianus* Pfeiffer, 1854 [sic; =1855] by Garrett (1887d: 288).
1791. *Defrancia corrugata* Dkr. [= Dunker], Schmeltz, 1865[II]: 19; 1866[III]: 32; 1869[IV]: 90. In subgenus *Clathurella* in 1869. *Nomen nudum*.
NOTE: = *Clathurella corrugata* Dunker, 1871.
1792. *Columbella philippiana* Dkr. [= Dunker], Schmeltz, 1865[II]: 22; 1866[III]: 34; 1869[IV]: 88; 1874[V]: 126. In subgenus *Mitrella* in 1869 and 1874. *Nomen nudum*.
NOTE: No description of this species has been located. ANSP 16840 is labeled *Columbella philippiana* Dunker. This name appears in a number of data bases.
1793. *Murex (Ocenebra) nanus* Dkr. [= Dunker], Schmeltz, 1865[II]: 22. *Nomen nudum*.—*Ocenebra nanus* Dkr. [= Dunker], Schmeltz, 1866[III]: 34. *Nomen nudum*.—*Murex (Ocinebra) nanus* Dkr. [= Dunker], Schmeltz, 1869[IV]: 90. *Nomen nudum*.
NOTE: No description of this species has been located. Not *Murex nanus* Anton, 1838.
1796. *Aricia scurra* Chemnitz, Schmeltz, 1869[IV]: 93, with “*Cyp. amarata* Meusch., *C. indica* Gm” in synonymy. *Nomen nudum*.
NOTE: Chemnitz's name is not available. = *Cypraea scurra* Gmelin, 1791.
1802. *Purpura scabra* Dkr. [= Dunker], Schmeltz, 1869[IV]: 33. *Nomen nudum*.
NOTE: No description of this species has been located. There are two uses of *Purpura scabra* in the literature, neither of which fits comfortably with the surrounding species on page 33 in Catalog IV: *Purpura scabra* Link, 1807 [listed with a query as a juvenile *Murex trunculus* Linnaeus, 1758 by Tomlin & Winckworth (1936: 43)] and *Purpura scabra* Schumacher, 1817 [placed in synonymy of *Vitularia miliaris* (Gmelin, 1791) by Vokes (1971: 95)].
1804. *Turricula (Pusia) spadicea* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 84; 1874[V]: 119. As “n. sp.” only in 1869. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. Schmeltz's listing placed in synonymy of *Mitra peregra* Reeve, 1844 by Garrett (1880: 23). The name *Mitra spadicea* G. B. Sowerby II, 1874 was made available when Sowerby figured the species and attributed the name to Dunker without a reference. It may or may not be the same as *M. peregra* Reeve. This species appeared earlier in Schmeltz (1866[III]: 33) as *Mitra coriacea* Reeve [1845], a misidentification *fide* Garrett (1880: 23).
1807. *Columbella parvula* Dkr. [= Dunker], Schmeltz, 1865 [II]: 22; 1866[III]: 34; 1869[IV]: 88; 1874[V]: 126. In subgenus *Nitidella* in 1869 and 1874. *Nomen nudum*.
NOTE: As this species is from the Samoa–Fiji area, it cannot be the Atlantic *Buccinum parvulum* Dunker, 1847:

- 64, placed in *Columbella* by Tomlin & Shackleford (1914: 246). The identification of the Godeffroy species has not been determined.
1810. *Morula nodosa* Dkr. [= Dunker], Schmeltz, 1866[III]: 33. *Nomen nudum*.—*Ricinula (Sistrum) nodosa* Dkr. [= Dunker], Schmeltz, 1869[IV]: 85. *Nomen nudum*.
NOTE: No description of this species has been located. Tryon (1880 : 245) listed “*Sistrum nodosum* Dunker”, with no date or reference, as a synonym of *Morula anaxeres* (Kiener, 1835).
- 1811a. *Columbella (Anachis) semen* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88. *Nomen nudum*.
NOTE: See number 9214.
1813. *Drillia lineata* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 90. *Nomen nudum*.—*Drillia lauta* Pse. [= Pease, 1868b], Schmeltz, 1874[V]: 131, with “*D. lineata* Dkr. [= Dunker] M. G. Cat. IV” in synonymy.
NOTE: No description of *Drillia lineata* by Dunker has been located.
1814. *Fusus cinctus* Dkr. [= Dunker], Schmeltz, 1865 [II]: 22; 1866[III]: 34. *Nomen nudum*.
NOTE: No description of this species has been located. Not *Fusus cinctus* Bellardi & Michelotti, 1840.
1818. *Nassa apolphi* Dkr. [= Dunker], Schmeltz, 1865 [II]: 22. *Nomen nudum*.—*Nassa (Zeuxis) adolphi* Dkr. [= Dunker], Schmeltz, 1869[IV]: 87. *Nomen nudum*.
NOTE: No description of this species has been located. In his monograph of Nassariidae Cernohorsky (1984) has no mention of *apolphi* or *adolphi*.
1822. *Purpura scabra* Dkr. [= Dunker], Schmeltz, 1865 [II]: 23; 1869[IV]: 85; 1874[V]: 123. In subgenus *Stramonita* in 1869 and 1874. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. *Purpura scabra* Mörch, 1852 is a *Chicoreus* and is not the Godeffroy species. Not *Buccinum scabrum* Dunker, 1846.
1829. *Acteon punctatus* Mart[yn], Schmeltz, 1866[III]: 39. *Nomen nudum*.—*Buccinulus punctatus* Martyn, Schmeltz, 1874[V]: 147. *Nomen nudum*.
NOTE: Martyn’s name is not available. In Catalog [IV]: 104, number 6761 is for: *Actaeon (Buccinulus) solidulus* L[innaeus] with “*A. punctatus* Martyn Cat. III des Mus. Godeffroy” in synonymy.
1831. *Collonia costulata* Dkr. [= Dunker], Schmeltz, 1865[II]: 24; 1866[III]: 38; 1869[IV]: 100. *Nomen nudum*.—*Collonia granulosa* Pse. [Pease, 1868d], Schmeltz, 1874[V]: 145, with “*C. costulata* Dkr. [= Dunker] i.l.” in synonymy and reference back to Catalog IV.
NOTE: No description of this species by Dunker has been located.
1832. *Clanculus obscurus* Dkr. [= Dunker], Schmeltz, 1865[II]: 24; 1866[III]: 38. *Nomen nudum*.—*Clanculus atropurpureus* Gld. [= Gould], Schmeltz, 1869[IV]: 101, 139 with “*Cl. obscurus* Dkr. Cat. III” in synonymy.
NOTE: No description of this species by Dunker has been located. Gould’s species was introduced as *Trochus (Monodonta) atropurpureus* Gould, 1849.
- 1832b. *Gibbula concinna* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 102. *Nomen nudum*.—*Clanculus concinna* Dkr. [= Dunker], Schmeltz, 1874[V]: 147. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. Name made available as *Gibbula concinna* Pilsbry, 1889.
- 1833a. *Clanculus godeffroyi* Dkr. [= Dunker], Schmeltz, 1869[IV]: 101. *Nomen nudum*.
NOTE: No description of this species has been located.
1834. *Clanculus blandus* Dkr. [= Dunker], Schmeltz, 1865[II]: 24. *Nomen nudum*.—*Clanculus stigmatarius* A. Ad. [= A. Adams, 1853], Schmeltz, 1869[IV]: 101, with “*Cl. blandus* Dkr. Cat. III[sic; = II]” in synonymy.
NOTE: No description of this species by Dunker has been located.
1835. *Liotia hermanni* Dkr. [= Dunker], Schmeltz, 1865[II]: 24; 1866[III]: 38; 1869[IV]: 102. *Nomen nudum*.
NOTE: No description of this species has been located. = *Liotina hermanni* Pilsbry, 1934.
- 1836a. *Melampus fasciatus* Desh[ayes] var. *brevior* [no author], Schmeltz, 1866[III]: 28. *Nomen nudum*.—*Melampus fasciatus* Desh[ayes] var. *minor* [no author], Schmeltz, 1869[IV]: 68; 1874[V]: 88. *Nomen nudum*.
NOTE: The name *brevior* was attributed to Mousson by Schmeltz *teste* Cowie (1998: 42) but we find no evidence of such. No descriptions of *brevior* or *minor* by Mousson or other authors have been located.
- 1836b. *Melampus fasciatus* Desh[ayes] var. *gracilior* [no author], Schmeltz, 1866[III]: 28; 1869[IV]: 68; 1874[V]: 88. *Nomen nudum*.
NOTE: Attributed to Mousson by Schmeltz *fide* Cowie (1998: 42) but we find no evidence of such. No description of this variety by Mousson or anyone else has been located.
1843. *Onchidella australis* Semp[er], Schmeltz, 1879[VII]: 86. *Nomen nudum*. As *Onchidella* sp. in 1866[III]: 28 and 1869[IV]: 69.
NOTE: = *Onchidella australis* Semper, 1882.

- 1854a. *Cerithium minusculum* Dkr. [= Dunker], Schmeltz, 1869[IV]: 79. *Nomen nudum*.
NOTE: No description of this species has been located.
1862. *Haliotis iris* Mart[yn], Schmeltz, 1865[II]: 24; 1866[III]: 38; 1869[IV]: 102; 1874[V]: 148. *Nomen nudum*.
NOTE: Martyn's name is not available. Name made available as *Haliotis iris* Gmelin, 1791.
1865. *Strombus aratrum* Martyn, Schmeltz, 1874[V]: 142. *Nomen nudum*.
NOTE: Martyn's name is not available. This is *Strombus vomer* (Röding, 1798) *fide* Abbott (1960: 130).
1871. *Oliva porphyretica* Mart[ini], Schmeltz, 1869[IV]: 82, with *O. miniata* [sic] Bolt. and *O. erythrostoma* Lam. as synonyms. *Nomen nudum*.—*Dactylus porphyreticus* Mart[yn], Schmeltz, 1874[V]: 116, with *Oliva erythrostoma* Lam. in synonymy. *Nomen nudum*.
NOTE: Martini's name is not available. The earliest available name for this species is *Oliva miniacea* Röding, 1798. This number appeared in Catalogs II and III as *Oliva erythrostoma* Lam. var.
1873. *Terebellum subulatum* Ch[emnitz], Schmeltz, 1869[IV]: 97 1874[V]: 141. *Nomen nudum*.
NOTE: Chemnitz's name is not available. The earliest available name for this species is *Terebellum terebellum* (Linnaeus, 1758). The name *T. subulatum* was incorrectly attributed to Chemnitz as it is a Lamarck name.
1887. *Mytilus magellanicus* Ch[emnitz], Schmeltz, 1865[II]: 28; 1866[III]: 42 ; 1869[IV]: 115; 1874[V]: 175, 180. *Nomen nudum*. In subgenus *Aulacomya* in 1869 and 1874.
NOTE: Chemnitz's name is not available. This species is *Aulacomya atra* (Molina, 1782).
1892. *Arca reinholdii* Dkr. [= Dunker], Schmeltz, 1865[II]: 27; 1866[III]: 42. *Nomen nudum*.—*Arca reinholdi* Dkr. [= Dunker], Schmeltz, 1869[IV]: 114. *Nomen nudum*.
NOTE: No description of this species has been located.
3188. *Melania subfasciata* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31; 1869[IV]: 79. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located, but ANSP has a specimen so labeled (ANSP 26257, *Melania subfasciata* Mss. [= Mousson]).
3192. *Melania gratiosa* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31. *Nomen nudum*.—*Melania laxa* Mss. [= Mousson], Schmeltz, 1869[IV]: 78, with “*M. gratiosa* Mss. [= Mousson] Cat. III “ in synonymy. *Nomen nudum*.
NOTE: No description of *gratiosa* by Mousson has been located. = *Melania laxa* Mousson, 1869. Not *M. gratiosa* Lea, 1861.
3193. *Melania peregrina* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31; 1869[IV]: 79. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Melania peregrina* Mousson, 1869.
- 3195a. *Melania interposita* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31; 1869[IV]: 78. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Melania lutosa* Gould var. *interposita* Mousson, 1869: 363.
3197. *Melania plicatilis* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31; 1869[IV]: 78. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Melania plicatilis* Mousson, 1870b.
- 3197a. *Melania aperta* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 79. *Nomen nudum*.
NOTE: No description of this species has been located.
- 3198a. *Melania ovalauensis* Mss. [= Mousson] “(an *myriflca* [sic] Ad.?)”, Schmeltz, 1866[III]: 31. *Nomen nudum*.—*Melania ovalaua* [sic; = *ovalana*] Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania ovalana* Mousson, 1870b.
- 3199a. *Melania albizonata* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31. *Nomen nudum*.—*Melania subexusta* Mss. [= Mousson] var. *albizonata* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania subexusta* var. *albizonata* Mousson, 1870b.
3200. *Melania gräffei* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 31. *Nomen nudum*.—*Melania lutosa* Gld. var. *gräffei* Mss. [= Mousson], Schmeltz, 1869[IV]: 78.
NOTE: = *Melania lutosa* Gould var. *graeffei* Mousson, 1869: 362.
3205. *Helicina altior* Mss. [= Mousson] (nov. sp.), Schmeltz, 1866[III]: 30. *Nomen nudum*.
NOTE: Never described by Mousson *fide* Cowie (1998: 22).
3206. *Neritina luteostoma* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 37. *Nomen nudum*.
NOTE: No description of this species has been located.
- 3206a. *Neritina orbiculata* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 37. *Nomen nudum*.
NOTE: No description of this species has been located.
3207. *Navicella truncata* Mss. [= Mousson], Schmeltz, 1866[III]: 37, with comment “(an *crepidularia* R. ?).”

- Nomen nudum*.—*Navicella magnifica* Reeve var. *truncata* Mss. [= Mousson], Schmeltz, 1869[IV]: 97. *Nomen nudum*.
NOTE: = *Navicella magnifica* Reeve, 1856 var. *truncata* Mousson, 1869.
- 3207a. *Navicella squama* Mss. [= Mousson], Schmeltz, 1866[III]: 37; 1869[IV]: 98. *Nomen nudum*.
NOTE: No description of this species has been located. This name placed in synonymy of *Neritina bougainvillei* Récluz, 1850 by Tryon (1888 : 80).
3208. *Neritina propinqua* Mss. [= Mousson] (sp. n.), Schmeltz, 1866[III]: 37; 1869[IV]: 98. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Clithon propinquus* Mousson, 1869.
3209. *Neritina granulosa* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 37. *Nomen nudum*.—*Neritella (Vitta) granulum* Mss. [= Mousson], 1874[V]: 144. *Nomen nudum*.
NOTE: No description of either *granulosa* or *granulum* by Mousson has been located.
3210. *Neritina gräffei* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 37. *Nomen nudum*.—*Neritina porcata* Gld. [= Gould], Schmeltz, 1869[IV]: 98, with “*N. gräffei* Mss.” as a synonym. *Nomen nudum*.
NOTE: *Neritina graeffei* Mousson, 1869 was introduced in synonymy and is invalid under I.C.Z.N. (1999) Article 11.6.
- 3210a. *Clithon pritchardii* Dohrn var. *vitiensis* [sic] Mss. [= Mousson], Schmeltz, 1869[IV]: 99 ; 1874[V]: 143. *Nomen nudum*.
NOTE: = *Neritina pritchardi* Dohrn var. *vitiana* Mousson, 1870b: 219. Schmeltz misspelled this varietal name both times it was listed.
3213. *Patula graeffei* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 29. *Nomen nudum*.—*Patula gräffei* Mss. [= Mousson], Schmeltz, 1869[IV]: 72. *Nomen nudum*.
NOTE: = *Patula (Endodonta) graeffei* Mousson, 1869.
3214. *Patula inermis* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 29; 1869[IV]: 72. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Patula inermis* Mousson, 1870a.
3215. *Stenothyra gracilis* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 30; 1869[IV]: 74. *Nomen nudum*.
NOTE: No description of this species has been located.
3218. *Helix incei* Pfr. [= Pfeiffer] v. *depressior* [no author], Schmeltz, 1866[III]: 30; 1869[IV]: 73. *Nomen nudum*.
NOTE: *Helix depressior* Schmeltz, 1869 was placed in the synonymy of *Varohadra incei* (Philippi, 1846) by Iredale (1937: 33). *Helix incei* was used as a valid name by both Pfeiffer and Philippi in February 1846. We have not located any reference clarifying authorship of this name.
3223. *Cassidula crassiuscula* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 28; 1869[IV]: 69. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Cassidula crassiuscula* Mousson, 1869.
- 3223a. *Cassidula intuscarinata* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 28; 1869[IV]: 69. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Auricula (Cassidula) intuscarinata* Mousson, 1870a.
3224. *Melampus arenaceus* [sic] Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 28. *Nomen nudum*.—*Melampus avenaceus* Mss. [= Mousson], Schmeltz, 1869[IV]: 68. *Nomen nudum*.
NOTE: = *Melampus avenaceus* Mousson, 1870a.
3225. *Ophicardelus sulcatus* H. [&] A. Ad[ams] var. *elegans* Mss. [= Mousson], Schmeltz, 1869[IV]: 68. *Nomen nudum*.
NOTE: No description of this variety has been located.
- 3225a. *Melampus umbilicatus* Mss. [= Mousson] (nov. sp.), Schmeltz, 1866[III]: 28; 1869[IV]: 68. As “n. sp.” only in 1866. *Nomen nudum*.—*Ophicardelus stutchburyi* Pfr. [= Pfeiffer], Schmeltz, 1869[IV]: 135, with *M. umbilicatus* Mss. [= Mousson] in synonymy.
NOTE: No description of *M. umbilicatus* by Mousson has been located. The name appears only in synonymy of *Ophicardelus stutchburyi* (Pfeiffer, 1857).
3226. *Amphipeplea involuta* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 28; 1869[IV]: 69. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: No description of this species has been located.
3227. *Planorbis singularis* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 28; 1869[IV]: 69. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Planorbis singularis* Clessin, 1886. Clessin attributed to Mousson but referenced only Schmeltz’s 1869 listing.

3229. *Tornatellina conica* Mss. [= Mousson], Schmeltz, 1869[IV]: 70. *Nomen nudum*.
NOTE: = *Tornatellina conica* Mousson, 1869.
3231. *Moussonia tortuosa* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 30. *Nomen nudum*.
NOTE: No description of this species has been located.
3232. *Diplommatina macrostoma* Mss. [= Mousson] n. sp. Schmeltz, 1869[IV]: 75, with synonym “*D. australiae* Bens. Cat. III.” *Nomen nudum*.
NOTE: = *Diplommatina* var. *macrostoma* Mousson, 1870b: 186. Listed as “var.” of *D. martensi* by Schmeltz (1874[V]: 101) and placed in synonymy of *D. martensi* H. Adams, 1866 [sic; =1867] by Garrett (1887d: 303).
3233. *Diplommatina godeffroyana* Mss. [= Mousson] (n. sp.), Schmeltz, 1866[III]: 30; 1869[IV]: 75. As “n. sp.” only in 1866. *Nomen nudum*.
NOTE: = *Diplommatina* (*Diancta*) *godeffroyana* Mousson, 1870b: 182.
3234. *Cypraea achatina* Lam[arck], Schmeltz, 1866[III]: 36. *Nomen nudum*.—*Cypraea achatina* Sol[ander], Schmeltz, 1869[IV]: 93, with “*Cyp. ventriculus* Lam.” in synonymy. *Nomen nudum*.—*Aricia achatina* Sol[ander], Schmeltz, 1874[V]: 137, 157. *Nomen nudum*.
NOTE: *Cypraea achatina* was never described by Lamarck or Solander. This is *Cypraea ventriculus* Lamarck, 1810.
3236. *Rissoina samoensis* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 75, 1874[V]: 103. *Nomen nudum*.
NOTE: = *Rissoina samoensis* Weinkauff, 1881: 77, pl. 15c, fig. 1. Weinkauff attributed to Dunker and cited both Schmeltz listings.
3240. *Bittium nanum* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 80. *Nomen nudum*.
NOTE: No description of this species has been located.
3244. *Cerithium nigerrimum* Dkr. [= Dunker], Schmeltz, 1869[IV]: 79. *Nomen nudum*.
NOTE: No description of this species has been located.
3247. *Avicula cypsellus* Dkr. [= Dunker], Schmeltz, 1869[IV]: 115. *Nomen nudum*.—*Avicula radiata* Pse. [= Pease, 1863], Schmeltz, 1874[V]: 176, with “*A. cypsellus* Dkr. [= Dunker] ... Cat. IV” in synonymy.
NOTE: There is evidently an error in naming here as Dunker introduced *A. peasei* Dunker, 1872 for the preoccupied *A. radiata* Pease, 1863b. On the very next page Dunker introduced *Avicula cypsellus* Dunker, 1872 stated to be from the Indian Ocean. Pease’s species is from the correct area. The Samoan species is currently cited as *Pteria peasei* (Dunker, 1872).
3253. *Dolium fasciatum* Mart[ini], Schmeltz, 1869[IV]: 96 ; 1874[V]: 140. *Nomen nudum*.
NOTE: Martini’s name is not available. His name was made available as *Buccinum fasciatum* Lamarck, 1822 now (e.g., Cernohorsky 1972) placed in synonymy of *Tonna sulcosa* (Born, 1778).
- 3267a. *Marginella guttula* Reeve var. *alba* [no author], Schmeltz, 1869[IV]: 81. *Nomen nudum*.—*Volvaria pallida* Dkr. [= Dunker], Schmeltz, 1874[V]: 115, with “*Marginella guttula* Reeve v. *alba* sec. Dkr. [= Dunker]” in synonymy. *Nomen nudum*.
NOTE: No descriptions of the variety *alba* or the species *V. pallida* have been located. According to Tomlin (1917: 287) this latter usage is probably an error for *V. pallidula* Dunker, 1871.
3268. *Marginella lacryma* Reeve var. *zonalis* [no author], Schmeltz, 1869[IV]: 81. *Nomen nudum*.
NOTE: This varietal name never validly introduced. It was, for unknown reason, attributed to Dunker by Tomlin (1917: 274) who treated it as a *nomen nudum*.
3275. *Mitra* (*Nebularia*) *ferruginea* Lam[arck] var. *minor* [no author], Schmeltz, 1869[IV]: 83; 1874[V]: 117. *Nomen nudum*.
NOTE: The varietal name *minor* has been introduced for several species, but none were directed to this usage.
3301. *Nassa* (*Niotha*) *samoensis* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 86. *Nomen nudum*.—*Nassa* (*Hima*) *paupera* Gld. [= Gould], [1850], Schmeltz, 1874[V]: 125, with “*N. balteata* Pse. and *N. samoensis* Dkr. [= Dunker]” in synonymy, with reference back to Catalog IV.
NOTE: No description of *N. samoensis* has been located.
- 3304a. *Rissoina cincta* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*.
NOTE: No description of *R. cincta* has been located. This reference placed in synonymy of *R. pusilla* Brocchi by Weinkauff (1880: 26). See number 1779 of this list.
3307. *Amycla* (*Astyris*) *elegantula* Dkr. [= Dunker] n. sp. Schmeltz, 1869[IV]: 87. *Nomen nudum*.—*Amycla* (*Astyris*) *valga* Gld. [= Gould, 1850], Schmeltz, 1874[V]: 127, with “*A. elegantula* Dkr. [= Dunker]” in synonymy.
NOTE: No description of *A. elegantula* Dunker has been located.
3315. *Nerita* (*Pila*) *schmeltziana* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 99. *Nomen nudum*. NOTE: No description of this species has been located. Placed in synonymy of *Nerita maculata* Pease, 1868c by Schmeltz (1874[V]: 144).

- 3320a. *Trochus spinosus* Ch[emnitz], Schmeltz, 1869[IV]: 101; 1874[V]: 146, with synonyms “*T. marmoratus* Lam.?, *T. pyramidalis* Ch., *T. flammeus* Bolt.” in 1869[IV]. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. Chemnitz’s figure was named *Turbo spinosus* Gmelin, 1791 but in view of Schmeltz’s synonymy the identity of the material is questionable.
3323. *Modulus tectum* Chem[nitz], Schmeltz, 1869[IV]: 136. *Nomen nudum*.—*Modulus tectum* Gml. [= Gmelin] var. *candidus* Pet[it], Schmeltz, 1874[V]: 105, 150.
NOTE: Chemnitz’s name is not available. Name made available as *Modulus tectus* (Gmelin, 1791). In 1874 ([V]: 105, 150) the varietal name “var. *candidus* Pet.” replaced the nominotypical species. It had been described as *Modulus candidus* Petit, 1853.
3324. *Oxystele exigua* Dkr. [= Dunker], Schmeltz, 1869[IV]: 102; 1874[V]: 147. *Nomen nudum*.
NOTE: No description of this species has been located.
3330. *Oxystele merula* Ch[emnitz], Schmeltz, 1869[IV]: 102, with “*T. sinensis* Gm.” in synonymy. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is *Oxystele merula* (Gmelin, 1791).
3334. *Siphonaria godeffroyi* Crosse n. sp. msc. var., Schmeltz, 1869[IV]: 68. *Nomen nudum*.
NOTE: No description of this species has been located. Paetel (1883: 178; 1889: 428) listed *godeffroyi* as a valid species of *Siphonaria* but his lists are full of nude names. Hubendick (1946: 68) regarded *godeffroyi* as a *nomen nudum*.
- 3335a. *Elenchus concinnus* Dkr. [= Dunker], Schmeltz, 1869[IV]: 101. *Nomen nudum*.
NOTE: No description of this species has been located.
3336. *Ostrea plicata* Ch[emnitz], Schmeltz, 1874[V]: 178. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is *Plicatula plicata* (Linnaeus, 1767).
3342. *Hippopus equinus* Meusch[en], Schmeltz, 1869[IV]: 113; 1874[V]: 172. *Nomen nudum*.
NOTE: Meuschen’s name is not available. Schmeltz listed three synonyms, one of which, *Hippopus hippopus* (Linnaeus, 1758), is the earliest available name for the species.
- 3346a. *Callista kingii* Desh[ayes], Schmeltz, 1869[IV]: 110.
NOTE: See Number 7234.
- 3356a. *Stomatella papyracea* Ch[emnitz], 1869[IV]: 02 ; 1874[V]: 148; 1877[VI]: 107; with “*Turbo papyraceus* Gm.” in synonymy in 1869. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is *Pseudostomatella papyracea* (Gmelin, 1791).
3361. *Cythara harpula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 90. *Nomen nudum*.
NOTE: No description of this species has been located.
3362. *Rissoina exigua* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 75; 1874[V]: 103. As “n. sp.” only in 1869. *Nomen nudum*.
NOTE: = *Rissoa exigua* Weinkauff, 1881: 78, pl. 15c, fig. 3. Weinkauff attributed to Dunker and cited both Schmeltz listings.
3365. *Triforis conspersa* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 80 ; 1874[V]: 113. As “n. sp.” only in 1869. *Nomen nudum*.
NOTE: No description of this species has been located.
3366. *Rissoina schwarziana* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*.—*Rissoina obeliscus* Recluz, Schmeltz, 1874[V]: 103, with “*R. schwarziana* Dkr. [= Dunker]” in synonymy. *Nomen nudum*.
NOTE: No description of *schwarziana* has been located. Weinkauff (1880: 20) used the same synonymy as Schmeltz (1874) but showed that the name attributed to Récluz was made available by Mohrenstern (1860).
3371. *Pisania buccinulus* Martini, Schmeltz, 1874[V]: 129, 155; with “*Bucc. pictum* Rve.” and “*Bucc. flammulatum* Q. & G.” in synonymy on page 129. *Nomen nudum*.
NOTE: Martini’s name is not available. = *Pisania ignea* (Gmelin, 1791).
3409. *Fissurella personata* Martyn, Schmeltz, 1869[IV]: 103; 1874[V]: 159; with “*F. picta* Gmel. and *F. radiata* Less.” in synonymy in 1869. *Nomen nudum*.
NOTE: Martyn’s name is not available. His figure was recognized by Pilsbry (1891b: 82) as being *Fissurella picta* (Gmelin, 1791).
3415. *Trigonella laevis* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 108. *Nomen nudum*.
NOTE: = *Mactra (Trigonella) laevis* Dunker, 1871.
3433. *Torcula tenuilirata* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77. *Nomen nudum*.—*Murchisonia sutoris* Dkr. [= Dunker] i.l., Schmeltz, 1874[V]: 148, with “*Torcula tenuilirata* Dkr. [= Dunker]” in synonymy with reference back to Vol. IV. *Nomen nudum*.
NOTE: No description of either name has been located. In the Corrigenda at [V]: 212 a notation attributed to O. Semper advises that *Murchisonia sutoris* Dkr. is a turritellid belonging to the genus *Zaria*. However no species

with that name has been located.

3600. *Helicina musiva* Gld. [= Gould] var. *subcarinata* Mss. [= Mousson], Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: = *Helicina musiva* var. *subcarinata* Mousson, 1870b.
3603. *Helicina musiva* Gld. [= Gould] var. *rotundata* Mss. [= Mousson], Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: = *Helicina musiva* Gould var. *rotundata* Mousson, 1873.
3604. *Imperator (Stella) stellata* Ch[emnitz], Schmeltz, 1869[IV]: 101. *Nomen nudum*.
NOTE: Chemnitz's name is not available. This is *Astraea stellaris* (Gmelin, 1791).
3607. *Haliotis exigua* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 102; 1874[V]: 148. As "n. sp." only in 1869. *Nomen nudum*.
NOTE: Pilsbry (1890: 90) treated *Haliotis exigua* Dunker, 1877 and stated "Not *H. exigua* Dkr. [= Dunker] in Mus. Godeffroy Cat. v., p. 148." The Schmeltz specimens cannot therefore be identified.
- 3609a. *Zizyphinus* [sic] *venustus* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 101. *Nomen nudum*.
NOTE: = *Zizyphinus venustus* Dunker, 1871.
3610. *Volvaria nitidula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 81; 1874[V]: 115. *Nomen nudum*.
NOTE: No description of this species has been located.
3615. *Nerita obscura* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 99; 1874[V]: 144. *Nomen nudum*.
NOTE: No description of this species has been located. Schmeltz's reference placed in synonymy of *Nerita retropicta* (Martens, 1878).
3619. *Siphonaria laciniata* Dkr. [= Dunker], Schmeltz, 1869[IV]: 68. *Nomen nudum*.
NOTE: No description of this species has been located. Hubendick (1946: 68) listed as a *nomen nudum*.
- 3623a. *Columbella (Mitrella) pellucida* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88. *Nomen nudum*.
NOTE: See Number 9209.
3624. *Amycla minuta* Dkr. [= Dunker], Schmeltz, 1869[IV]: 87.—*Nomen nudum*.
NOTE: This is a duplicate Number. See Number 9207.
3624. *Columbella (Mitrella) filamentosa* Dkr. [= Dunker], Schmeltz, 1869[IV]: 88. *Nomen nudum*.—*Amycla marquesa* Gask[oin, 1852], Schmeltz, 1874[V]: 127, with "*Col. filamentosa* Dkr. [= Dunker], Mus. Godeffroy Cat. IV" in synonymy.
NOTE: No description of this species has been located. Name made available as *Columbella filamentosa* Tryon, 1883. Tryon treated *marquesana* [sic] as a different species. Not number 3624 of page 87; see previous listing.
- 3625c. *Cantharus (Tritonidea) badius* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 86. *Nomen nudum*.
NOTE: No description of this species has been located.
3628. *Mitra (Scabricola) sphaerulata* Martyn, Schmeltz, 1874[V]: 117, 153, with "*M. scabriuscula* Lam." in synonymy on page 117. *Nomen nudum*.
NOTE: Martyn's name is not available. = *Neocancilla papilio* (Link, 1807).
3630. *Cylindra nucea* Gronov[ius], Schmeltz, 1869[IV]: 84; 1874[V]: 120, both with "*M. olivaria* Lam." in synonymy. *Nomen nudum*.—*Cylindra nucea* Meuch[en], Schmeltz, 1877[VI]: 105. *Nomen nudum*.
NOTE: The names of Gronovius and Meuchen are not available. = *Pterygia nucea* (Gmelin, 1791).
3640. *Drillia pygmaea* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 90. *Nomen nudum*.
NOTE: No description of this combination has been located. It is unlikely that it is the Japanese *Mangelia pygmaea* Dunker, 1860 as it would not have been listed as "n. sp."
- 3640b. *Eulima dentiens* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77. *Nomen nudum*.—*Rissoina tridentata* Michaud, Schmeltz, 1874[V]: 104.
NOTE: = *Eulima dentiens* Dunker, 1871: 152 but Michaud's name dates from 1830. See Taxa Notes 3 for comment on identity of *Rissoina* species. Pilsbry (1904: 28) treated *Rissoina (Zebina) tridentata* (Michaud) with *E. dentiens* Dunker in synonymy.
3883. *Vexilla vexillum* Ch[emnitz], Schmeltz, 1869[IV]: 86; 1874[V]: 123, with "*Purp. vexillum* Lam." in synonymy in 1869. *Nomen nudum*.
NOTE: Chemnitz's name is not available. = *Vexilla vexillum* (Gmelin, 1791).
3885. *Gena angusta* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 99. *Nomen nudum*.
NOTE: No description of this species has been located.
3886. *Truncatella funiculus* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 76. *Nomen nudum*.
NOTE: = *Truncatella funiculus* Mousson, 1870b: 197.
3898. *Defrancia rubida* Hinds var. *minor* [no author], Schmeltz, 1869[IV]: 90. *Nomen nudum*.
NOTE: The name *minor* was never introduced in Turridae by Dunker. In Catalog V: 132, number 3898 is simply *Defrancia rubida* Hds. [= Hinds, 1843] although it had been number 6940 in Catalog IV: 90.
3902. *Columbella (Anachis) pusiola* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88. *Nomen nudum*.

- NOTE: = *Columbella (Anachis) pusiola* Dunker, 1871.
- 3902a. *Columbella (Anachis) nana* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88. *Nomen nudum*.
NOTE: = *Columbella (Anachis) nana* Dunker, 1871: 157. Assigned number 9211 in Schmeltz, 1874[V]: 127, and listed there without the “n. sp.” tag.
3906. *Triforis margaritacea* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 80; 1874[V]: 113 ; 1877[VI]: 105. *Nomen nudum*.
NOTE: No description of this species has been located.
- 3906a. *Triforis nodulosa* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 80. *Nomen nudum*.
NOTE: No description of this species has been located.
- 3909a. *Nassa (Hima) pusiola* Dkr. [= Dunker], Schmeltz, 1874[V]: 125. *Nomen nudum*.
NOTE: No description of this species has been located.
3995. *Cypraea aurora* Sol[ander], Schmeltz, 1869[IV]: 94, with “*C. aurantium* Martyn” in synonymy. *Nomen nudum*.—*Luponia aurora* Sol[ander], Schmeltz, 1874[V]: 137. *Nomen nudum*.
NOTE: Not made available by Solander. Martyn’s name is not available. = *Cypraea aurantium* Gmelin, 1791.
4015. *Cypraea irrorata* Sol[ander], Schmeltz, 1869[IV]: 93 ; 1874[V]: 137. *Nomen nudum*.
NOTE: Name not made available by Solander. = *Cypraea irrorata* Gray, 1828.
4019. *Padollus pulcherrimus* Martyn, Schmeltz, 1874[V]: 132. *Nomen nudum*.
NOTE: Martyn’s name is not available. = *Haliotis pulcherrima* Gmelin, 1791.
4039. *Conus sponsalis* Chemn[itiz], Schmeltz, 1869[IV]: 92; 1874[V]: 135, 156. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Conus sponsalis* Hwass in Brugière, 1792.
4040. *Defrancia reticulata* Brown, Schmeltz, 1869[IV]: 90. *Nomen nudum*.—*Clathurella pumila* Migh[els], Schmeltz, 1869[IV]: 137, with *Clathurella reticulata* Garrett in synonymy.—*Defrancia (Clathurella) reticulata* Garr[ett], Schmeltz, 1874[V]: 132.
NOTE: Attribution to Brown was an error, corrected in Errata on 1869[IV]: 139. The earliest name is *Pleurotoma pumila* Mighels, 1845 which predates *Pleurotoma reticulata* Garrett, 1857. The latest generic placement of the species is in *Kermia* (e.g., Kay 1979).
Defrancia pumila Mig[hels] *), Schmeltz, 1874[V]: 132 was listed immediately after number 4040 as number 9043. The reason is that Schmeltz changed his mind and resurrected the name from his prior (1869) synonymy. In a footnote on page 132 he stated [translated]: “An investigation of specimens sent by Mr. Garrett from authentic localities of *Defrancia reticulata* Garr. & *D. pumila* Migh. showed us that both are good species; this is not the place to delve into the differences and we reserve this for a later opportunity.”
4043. *Tellina (Angulus) rubella* Sol[ander], Schmeltz, 1869[IV]: 108; 1874[V]: 167. In subgenus *Angulus* in 1869. *Nomen nudum*.
NOTE: Solander’s name is not available. *Tellina rubella* Deshayes, 1855 was described from the Philippines, ex Cuming collection, and Solander was not mentioned so it is doubtful if it is that species. The identity of the Godeffroy material cannot be determined.
- 4045a. *Melampus hordeaceus* Mss. [= Mousson] (n. sp.?), Schmeltz, 1869[IV]: 69. *Nomen nudum*.—*Melampus hordeaceus* Mss. [= Mousson] i. l., Schmeltz, 1874[V]: 88. *Nomen nudum*.
NOTE: No description of this species has been located.
5203. *Partula nucleolus* Pease, Schmeltz, 1869[IV]: 72; 1874[V]: 92. *Nomen nudum*.
NOTE: No description of this species has been located. Garrett (1884: 72) listed “*Partula nucleola* Pease MS.” in the synonymy of *Partula taeniata* (Mörch, 1850).
5204. *Nanina futunaensis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Nanina futunaensis* Mousson, 1871.
5206. *Partula imperforata* Pse. [= Pease], 1874[V]: 92, 207. *Nomen nudum*.
NOTE: No description of this species by Pease has been located. This name made available by Garrett, 1884: 54.
5212. *Patula subordinata* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 72; 1874[V]: 93. As “n. sp.” only in 1869. *Nomen nudum*.
NOTE: No description of this species has been located.
5224. *Patula subdaedalea* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 72. *Nomen nudum*.
NOTE: = *Patula subdaedalea* Mousson, 1870a.
5225. *Partula megastoma* Pease, Schmeltz, 1874[V]: 92. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *P. callifera* Pfeiffer, 1856 [sic; =1857] by Garrett (1884: 60).
5227. *Nanina nodulata* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Nanina nodulata* Mousson, 1870a.

5228. *Placostylus moussonii* Gräffe, Schmeltz, 1874[V]: 93, with “*B. elobatus* Mss. non Gld.” in synonymy. *Nomen nudum*.
NOTE: = *Bulimus (Placostylus) graeffei* Crosse, 1875: 13. There was no “*B. elobatus* Mss.” as Mousson attributed the name to Gould but misidentified his species. For discussion of the history of this name and synonyms, see Pilsbry (1900: 104).
5233. *Helix lüdersii* Pfr. [= Pfeiffer] v. *corallina* Mss. [= Mousson], Schmeltz, 1869[IV]: 73. *Nomen nudum*.
NOTE: = *Trochomorpha lüdersi* [sic; = *luedersi*] *corallina* Mousson, 1870a. Baker (1841: 304) listed Schmeltz’s nude name of 1869 (p. 73, from various locations) in the synonymy of *Trochomorpha corallina* (Mousson, 1870) and also, with a query, in the synonymy of his new species *Trochomorpha (Lauhala) burrowsi* Baker, 1841 (p. 306), based on material from the island of Futuna. This is a good example of the fact that a single Museum Godeffroy number may, in fact, harbor multiple species.
5236. *Helix accurata* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 73. *Nomen nudum*.
NOTE: = *Trochomorpha accurata* Mousson, 1870a.
5239. *Helix transarata* Mss. [= Mousson] var. *depressostrata* Mss. [= Mousson], Schmeltz, 1869[IV]: 73. *Nomen nudum*.—*Helix fessonia* Angas [1870], Schmeltz, 1874[V]: 94, with *H. transarata* Mss. [= Mousson] var. *depressostrata* [no author] in synonymy.
NOTE: Mousson made his name available as *Helix transarata* var. *depressostrata* Mousson, 1870a: 121. If the synonymy is correct, Angas’s name has priority.
5242. *Nanina fragillima* Mss. [= Mousson], Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Nanina fragillima* Mousson, 1870a.
5243. *Zonites plicostriatus* Mss. [= Mousson], Schmeltz, 1869[IV]: 70. *Nomen nudum*.
NOTE: = *Zonites plicostriatus* Mousson, 1870a.
5244. *Tornatellina conica* Mss. [= Mousson] var. *impressa* Mss. [= Mousson], Schmeltz, 1869[IV]: 70. *Nomen nudum*.
NOTE: = *Tornatellina conica* var. *impressa* Mousson, 1870a.
5245. *Nanina excrescens* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Nanina excrescens* Mousson, 1870a: 115, pl. 7, fig. 5.
5246. *Patula adposita* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 72. *Nomen nudum*.
NOTE: = *Patula adposita* Mousson, 1870a.
5253. *Patula conicava* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 72. *Nomen nudum*.—*Patula fabrefacta* Pease, Schmeltz, 1869[IV]: 135, with “*P. conicava* Mss i. l.” in synonymy.
NOTE: No description of this species by Mousson has been located. = *Endodonta fabrefacta* (Pease, 1864 [sic; =1865a]) *fide* Garrett (1884 : 38).
5257. *Patula societatis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 73. *Nomen nudum*.—*Patula consimilis* Pease, Schmeltz, 1869[IV]: 135, with “*P. societatis* Mss i. l.” in synonymy. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located. *Patula societatus* [sic] “Mousson” as listed by Schmeltz placed in synonymy of *P. consimilis* (Pease, 1868b) by Garrett (1884: 29).
5260. *Hydrocena affinis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.—*Assimineia affinis* Mss. [= Mousson], Schmeltz, 1874[V]: 103. *Nomen nudum*.
NOTE: No description of this species has been located. Hedley (1906: 527–528) referred to *A. affinis* Mousson as a manuscript name which he placed in the synonymy of *A. tasmanica* Tenison Woods, 1876.
5271. *Zonites samöensis* Mss. [= Mousson] var. *tenuis* [no author], Schmeltz, 1869[IV]: 70. *Nomen nudum*.
NOTE: = *Zonites samoensis* var. *tenuis* Mousson, 1871.
5272. *Patula vicaria* Mss. [= Mousson] n. sp. var. *major* [no author], Schmeltz, 1869[IV]: 72; 1874[V]: 93. As “n. sp.” only in 1869. *Nomen nudum*.
NOTE: No description of this species has been located.
5276. *Nanina ensifera* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Nanina (Gastrodonta) ensifera* Mousson, 1869.
5278. *Neritina harveyensis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 98. *Nomen nudum*.—*Neritina dispar* Pease [1868c], Schmeltz, 1869[IV]: 138, with *N. harveyensis* Mss. [= Mousson] i. l. in synonymy.—*Neritella harveyensis* Mss. [= Mousson], Schmeltz, 1874[V]: 103. *Nomen nudum*.
NOTE: No description of *Neritina* (or *Neritella*) *harveyensis* has been located.
5281. *Patula vicaria* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 72. *Nomen nudum*.
NOTE: = *Patula vicaria* Mousson, 1871.
5282. *Helix albofilata* Mss. [= Mousson], Schmeltz, 1869[IV]: 73, 1874[V]: 94, with *H. o’conellii* [sic; = *oconnellensis*] Cox [1871] in synonymy in 1874. *Nomen nudum*.

NOTE: No description of Mousson's species has been located and Cox's name appears to be the oldest available. See number 8400.

- 5282a. *Helix basalis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 73. *Nomen nudum*.—*Helix curtisiana* Pfr. [= Pfeiffer], Schmeltz, 1869[IV]: 135, with “*H. basalis* Mss. i. l.” in synonymy.

NOTE: Mousson's manuscript name made available as *Hadra rainbirdi* var. *basalis* Pilsbry, 1890. Pilsbry treated *H. curtisiana* Pfeiffer, 1863 [sic ; =1864] as a separate species and made no connection between the two. Iredale (1937: 31) proposed the name *Varohadra findera* with *Helix basalis* Pilsbry, 1890 in synonymy, as ex Mousson MS, and with the statement “Not *H. basalis* Schmeltz, Mus. Godeffr. Cat. iv., p. 135. “This is strange in several ways as Iredale appears to consider Pilsbry's name invalid by accepting Schmeltz's usage as available. The only Schmeltz usage cited, however, is page 135 where it is in synonymy; page 73 is not mentioned.

5302. *Helicina semperi* Gräffe n. sp., Schmeltz, 1869[IV]: 74 ; 1874[V]: 98. As “n. sp.” only in 1869. *Nomen nudum*.

NOTE: = *Helicina semperi* Mousson, 1870b.

5303. *Helicina tectiformis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.

NOTE: = *Helicina tectiformis* Mousson, 1870b.

5313. *Helicina fulgora* Gld. [= Gould] var. *minor* Mss. [= Mousson], Schmeltz, 1869[IV]: 74. *Nomen nudum*.—*Helicina fulgora* Gld. [= Gould] var. *expansa* Mss. [= Mousson], Schmeltz, 1874[V]: 98. *Nomen nudum*.

NOTE: No description of the varietal name *minor* has been located. *Helicina fulgora* Gould var. *expansa* Mousson, 1870b: 198 had, as the first word in its description, “Minor”.

5314. *Nanina schmeltziana* Mss. [= Mousson] var. *usurpata* Mss. [= Mousson], Schmeltz, 1869[IV]: 71. *Nomen nudum*.

NOTE: = *Nanina (Trochonanina) schmeltziana* var. *usurpata* Mousson, 1869: 330.

5315. *Physa gibberula* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 69. *Nomen nudum*.

NOTE: = *Physa gibberula* Mousson, 1870a: 130.

- 5316a. *Melampus cylindroides* Mss. [= Mousson], Schmeltz, 1869[IV]: 68. *Nomen nudum*.—*Melampus cinctus* Pease, Schmeltz, 1869[IV]: 135, with “*M. cylindroides* Mss i.l.” in synonymy. *Nomen nudum*.

NOTE:—No description of either *M. cylindroides* Mousson or *M. cinctus* Pease has been located. Garrett (1884: 90) placed both names in synonymy of *Melampus fasciatus* (Deshayes, 1830).

5317. *Melampus pseudocommodus* Mss. [= Mousson], Schmeltz, 1869[IV]: 69. *Nomen nudum*. —*Melampus semiplicatus* Pease, Schmeltz, 1869[IV]: 135, with “*M. pseudocommodus* Mss. i.l.” in synonymy.

NOTE: No description of *Melampus pseudocommodus* has been located. The correct name is *Melampus semiplicatus* Pease, 1860.

5323. *Nanina perpolita* Mss. [= Mousson], Schmeltz, 1869[IV]: 71. *Nomen nudum*.

NOTE: = *Nanina (Microcystis) perpolita* Mousson, 1869: 326.

5325. *Tornatellina bacillaris* Mss. [= Mousson], Schmeltz, 1869[IV]: 70. *Nomen nudum*.

NOTE: = *Tornatellina bacillaris* Mousson, 1871: 16. Cowie (1998: 49) listed a separate entry for “*T. bucollaris* Schmeltz, 1869: 70.” It was not so spelled by Schmeltz.

5327. *Omphalotropis subsoluta* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.

NOTE: = *Realia (Omphalotropis) subsoluta* Mousson, 1870b: 192.

5328. *Truncatella alternans* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 76. *Nomen nudum*.

NOTE: No description of this species has been located. Placed in synonymy of *Truncatella arcasiana* Crosse by Schmeltz (1874[V]: 104) and *Taheitia arcasiana* (Crosse, 1868) by Garrett (1887d: 302).

5329. *Truncatella turricula* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 76. *Nomen nudum*.

NOTE: = *Truncatella turricula* Mousson, 1870b.

5331. *Diplommantina godeffroyana* Mss. [= Mousson] var. *fracta* Mss. [= Mousson], Schmeltz, 1869[IV]: 75. *Nomen nudum*.

NOTE: = *Diplommantina (Diancta) godeffroyana* var. *fracta* Mousson, 1870b: 183.

5332. *Diplommantina tuberosa* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*.

NOTE: = *Diplommantina tuberosa* Mousson, 1870b.

5335. *Diplommantina distorta* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*. NOTE: No description of this species has been located. Placed in synonymy of *D. martensi* H. Adams, 1867 by Mousson (1870b: 186).

5337. *Diplommantina pomatiaeformis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*.

NOTE: = *Diplommantina (Diancta) pomatiaeformis* Mousson, 1870b: 180.

5338. *Moussonia fuscula* Mss. [= Mousson] n. sp. var. *vitiana* Mss. [= Mousson], Schmeltz, 1869[IV]: 75. *Nomen nudum*.

- NOTE: = *Diplommatina (Moussonia) fuscula* var. *vitiana* Mousson, 1870b.
5339. *Omphalotropis bithyniaeformis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: No description of this species has been located. Cited by Garrett (1887d: 310) in synonymy of *O. layardiana* Garrett, 1887d as: “*Omphalotropis bythinaeformis* ‘MSS.,’ Paetel, ... p. 124 (ex Schmeltz ...iv. p. 74).”
5341. *Omphalotropis longula* Mss. [= Mousson], Schmeltz, 1869[IV]: 75. *Nomen nudum*.
NOTE: = *Realia (Omphalotropis) longula* Mousson, 1870b.
5342. *Omphalotropis costulata* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: = *Realia (Omphalotropis) costulata* Mousson, 1870b.
5343. *Omphalotropis circumlineata* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: = *Realia (Omphalotropis) circumlineata* Mousson, 1870b.
5350. *Omphalotropis tectiformis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*.
NOTE: No description of this species has been located. Considered by Cowie (1998: 31) to probably be an error for *Realia (Omphalotropis) teretiformis* Mousson, 1869.
5351. *Truncatella futunaensis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 76. *Nomen nudum*.
NOTE: = *Truncatella futunaensis* Mousson, 1871.
5353. *Valvata californiensis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*.
NOTE: No description of this species has been located.
5356. *Moussonia fuscula* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 75. *Nomen nudum*.
NOTE: = *Diplommatina (Moussonia) fuscula* Mousson, 1870b.
5357. *Melania subexusta* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania subexusta* Mousson, 1870b. See Taxa Note 1.
5359. *Nanina vitrinaeformis* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: No description of this species has been located.
5361. *Melania niuaafouana* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: No description of this species has been located.
5362. *Melania bifasciata* Mss. [= Mousson] var. *picea* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania bifasciata* var. *picea* Mousson, 1869.
5734. *Pythia tortuosa* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 68. *Nomen nudum*.
NOTE: = *Pythia tortuosa* Mousson, 1871.
- 5845a. *Strombus striato-granulatus* Mart[ens], Schmeltz, 1874[V]: 142, with “*S. aurisdianae* Kien. non L.” in synonymy. *Nomen nudum*.
NOTE: Martens’s description was not published until 1880. This is currently (e.g., Cernohorsky 1972) considered to be a synonym of *Strombus aurisdianae* Linnaeus, 1758.
5872. *Partula canalis* Mss. [= Mousson] var. *semilineata* [no author], Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Partula canalis* var. *semilineata* Mousson, 1869.
5873. *Partula abbreviata* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Partula abbreviata* Mousson, 1869.
5874. *Diplommatina godeffroyana* Mss. [= Mousson] var. *latecostata* Mss. [= Mousson], Schmeltz, 1869[IV]: 75. *Nomen nudum*.
NOTE: = *Diplommatina (Diancta) godeffroyana* var. *latecostata* Mousson, 1870b: 183. Number 5874 was retained for this variety in 1874[V]: 102. Not to be confused with the duplicate number 5874 listed below.
5874. *Melania bifasciata* Mss. [= Mousson] var., Schmeltz, 1869[IV]: 78.
NOTE: This duplicated number used for an unnamed variety of *Melania bifasciata*. Not to be confused with number 5874 listed above.
5876. *Helicina beryllina* Gld. [= Gould] var. *flavida* Mss. [= Mousson], Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: = *Helicina beryllina* var. *flavida* Mousson, 1869.
5877. *Helicina fulgora* Gld. [= Gould] var. *delicatula* Mss. [= Mousson], Schmeltz, 1869[IV]: 74; 1874[V]: 98. *Nomen nudum*.
NOTE: No description of this species has been located. Listed in synonymy of *H. fulgora* Gould by Garrett (1887: 150). Preoccupied by *Helicina delicatula* Shuttleworth, 1852.
5878. *Navicella (Catillus) freycineti* Recl. [= Récluz] var. *vitiensis* Mss. [= Mousson], Schmeltz, 1869[IV]: 97. *Nomen nudum*.
NOTE: = *Navicella freycineti* Récluz var. *vitiensis* Mousson, 1870b.
5881. *Nanina upolensis* Mss. [= Mousson] var. *oneataensis* [sic] Mss. [= Mousson], Schmeltz, 1869[IV]: 71. *Nomen nudum*.
NOTE: = *Nanina (Microcystis) upolensis* var. *oneataensis* Mousson, 1870a: 114.
5882. *Patula complementaria* Mss. [= Mousson], Schmeltz, 1869[IV]: 72. *Nomen nudum*.

- NOTE: = *Patula complementaria* Mousson, 1871.
5883. *Stenogyra novemgyrata* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 70. *Nomen nudum*.
NOTE: = *Stenogyra novemgyrata* Mousson, 1870a.
5884. *Tornatellina columellaris* Mss. [= Mousson], Schmeltz, 1869[IV]: 70. *Nomen nudum*.
NOTE: = *Tornatellina columellaris* Mousson, 1870a.
6091. *Padollus pulcherrimus* Martyn, Schmeltz, 1869[IV]: 102. *Nomen nudum*.
NOTE: Martyn's name is not available. = *Haliotis pulcherrima* Gmelin, 1791.
6109. *Spondylus imperialis* Ch[emnitz], Schmeltz, 1869[IV]: 116; 1874[V]: 178. *Nomen nudum*.
NOTE: Chemnitz's name is not available. Although we have found no direct connection to Chemnitz, this is thought to be *Spondylus imperialis* Chenu, 1844.
6124. *Plicatula echinata* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 116. *Nomen nudum*.
NOTE: = *Plicatula echinata* Dunker, 1871.
6153. *Dolium fasciatum* Ch[emnitz], Schmeltz, 1869[IV]: 96; 1874[V]: 140. *Nomen nudum*
NOTE: Chemnitz's name is not available. The earliest available name for this species is *Tonna chinensis* (Dillwyn, 1817), one of two names listed as synonyms by Schmeltz in 1869.
6212. *Physa globosa* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 69; 1874[V]: 96. As "n. sp." only in 1869. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located. Not *Physa globosa* Morelet, 1866 from West Africa.
6305. *Cylichna striatula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 104. *Nomen nudum*.
NOTE: No description of this species has been located.
6308. *Emarginula schmeltziana* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 102. *Nomen nudum*.
NOTE: No description of this species has been located.
6314. *Modiola arborescens* Chem[nitz], Schmeltz, 1869[IV]: 115, with "*Mod. picta* Lam. " and "*Amygdalum dendriticum* Meg." in synonymy. *Nomen nudum*.—*Perna (Modiola) arborescens* Chem[nitz], Schmeltz, 1874[V]: 175. *Nomen nudum*.
NOTE: Chemnitz's name is not available. The name in current use is *Amygdalum dendriticum* Megerle von Mühlfeld, 1811. It appears that *Mytilus arborescens* Fischer, 1807 (p. 249) has priority, but we are not using it as a valid name as we do not know the ramifications of giving it priority over *dendriticum*. We leave that decision to others.
- 6314a. *Crenella (Modiolaria) adolphi* Dkr. [= Dunker], Schmeltz, 1869[IV]: 114. *Nomen nudum*.
NOTE: = *Crenella (Modiolaria) adolphi* Dunker, 1871
6317. *Laevicardium pulchellum* Reeve var. *alba* [no author], Schmeltz, 1869[IV]: 112. *Nomen nudum*. Also in Catalog [IV]: 105 as Number 6640.
NOTE: No description of this variety has been located. Probably intended as a descriptive term.
6440. *Littorina littorea* L. var. *maxima costata* [no author], Schmeltz, 1869[IV]: 76; 1874[V]: 115.
NOTE: The varietal "maxima costata" is considered to be a descriptive term, not a name.
6461. *Meretrix lyrata* Sow[erby] var. *fusca* [no author], Schmeltz, 1869[IV]: 112. *Nomen nudum*.
NOTE: Probably not *Cytherea fusca* Koch in Philippi, 1845 which is the only usage of the name in Veneridae, placed in *Meretrix* by Deshayes (1853: 38).
6480. *Axinaea variegata* Dkr. [= Dunker], Schmeltz, 1869[IV]: 114. *Nomen nudum*.
NOTE: No description of this species has been located.
6483. *Plicatula simplex* Dkr. [= Dunker], Schmeltz, 1874[V]: 178, 180. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located; probably an error for *Plicatula simplex* Gould, 1861.
6484. *Crassatella planata* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 113. *Nomen nudum*.
NOTE: No description of this species has been located.
6485. *Trigonella radiata* Dkr. [= Dunker], Schmeltz, 1869[IV]: 108. *Nomen nudum*.
NOTE: = *Mactra (Trigonella) radiata* Dunker, 1871.
- 6577a. *Helix bipartita* Fér[ussac] var. *flava* [no author], Schmeltz, 1869[IV]: 73. *Nomen nudum*.
NOTE: No description of this variety has been located. Not of Villa, 1836.
6579. *Helicina interna* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: = *Helicina interna* Mousson, 1869: 358. The 1869 description was minimal. Mousson later (1870: 201) used the same name with a complete description and figure. It is assumed to be the same.
6580. *Melania samoensis* Reeve var. ? *languida* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania samoensis* var. *languida* Mousson, 1869.

6581. *Melania lutosa* Gld. [= Gould] var. *sulcata* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania lutosa sulcata* Mousson, 1869.
6582. *Melania lutosa* Gld. [= Gould] var. *crassiuscula* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania lutosa crassiuscula* Mousson, 1869.
6583. *Melania bifasciata* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania bifasciata* Mousson, 1869.
6584. *Melania vainafa* Gld. [= Gould] var. *nigra* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania vainafa* Gld. [= Gould] var. *nigra* Mousson, 1869.
6585. *Melania vainafa* Gld. [= Gould] var. *futunaensis* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: No description of this variety has been located.
6587. *Melania terpsichore* Gld. [= Gould], var. *mangoensis* Mss. [= Mousson], Schmeltz, 1869[IV]: 79. *Nomen nudum*.
NOTE: = *Melania terpsichore* var. *mangoensis* Mousson, 1870b.
6589. *Melania feejensis* Reeve var. *inermis* Mss. [= Mousson], Schmeltz, 1869[IV]: 79. *Nomen nudum*.
NOTE: No description of this variety by Mousson has been located. The name is preoccupied by at least two earlier usages.
6590. *Neritina* (*Vitta*) *godeffroyana* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 98, with footnote that it is *Neritina siquijorensis* Recl. [= Récluz] of Catalog III. *Nomen nudum*.
NOTE: = *Neritina* (*Theodoxus*) *godeffroyana* Mousson, 1869.
6591. *Neritina petiti* Recl. [= Récluz] var. *samoensis* Mss. [= Mousson], Schmeltz, 1869[IV]: 98. *Nomen nudum*.
NOTE: = *Clypeolum petiti* Récluz var. *samoensis* Mousson, 1869.
6592. *Neritina porcata* Gld. [= Gould] var. *tenuiplicata* Mss. [= Mousson], Schmeltz, 1869[IV]: 98; 1874[V]: 143. *Nomen nudum*.
NOTE: No description of this variety by Mousson has been located. Considered by Cowie (1998: 14) to be a possible error for *N. tenuicostata* Mousson, 1869.
6593. *Navicella scarabaeus* Reeve var. *decapitata* Mss. [= Mousson], Schmeltz, 1869[IV]: 98. *Nomen nudum*.
NOTE: = *Navicella scarabaeus* Reeve var. *decapitata* Mousson, 1869.
6594. *Melania luctuosa* Gld. [= Gould] ?, Schmeltz, 1869[IV]: 78, as number 6595; 1874[V]: 109. *Nomen nudum*.
NOTE: Author of this species is Hinds (1844a), not Gould. This number was duplicated in 1869 in error.
6595. *Melania samoensis* Reeve var. *inserta* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania samoensis* var. *inserta* Mousson, 1869. Do not confuse with duplicate number 6595 above.
6596. *Melania subexusta* Mss. [= Mousson] var. *persulcata* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania persulcata* Mousson, 1869. See Taxa Note 1.
6597. *Melania ovalaua* [sic] Mss. [= Mousson] var. *kanathiana* Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania ovalana* var. *kanathiana* Mousson, 1870b.
6598. *Melania acutispira* [sic] Mss. [= Mousson], Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: = *Melania acutespira* Mousson, 1869: 370, pl. 15, fig. 4.
6613. *Columbella* (*Mitrella*) *elegantula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88. *Nomen nudum*.—*Columbella* (*Nitidella*) *vitiensis* Dkr. [= Dunker], Schmeltz, 1874[V]: 126. *Nomen nudum*.
NOTE: No description of this species under either name has been located. The arrangement is odd as the two nomina listed under number 6613 were placed in different subgenera, and *Columbella elegantula* Dkr. [= Dunker] was placed in synonymy of *C. (Mitrella) concinna* Dkr. [= Dunker] in Catalog [V]: 126 as number 9664, q.v.
6620. *Trivia* (*Epona*) *margarita* Sol[ander], Schmeltz, 1869[IV]: 94; 1874[V]: 138. *Nomen nudum*.
NOTE: This name was not made available by Solander. = *Pustularia margarita* (Dillwyn, 1817). Dillwyn referenced Solander's manuscript.
6622. *Phasianella* (*Eutropia*) *gräffei* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 100. *Nomen nudum*.
NOTE: = *Phasianella graeffei* Dunker, 1871: 168. The subgenus *Eutropia* was attributed to Humph[rey]. In 1874[V]: 145 it was used as a full genus. Humphrey's name is not available. Schmeltz's usage of *Eutropia* is a *nomen nudum* as the only included species is a *nomen nudum* and there is no description. This genus name has never been attributed to Schmeltz or to Dunker, and is preoccupied by Gray 1862 in Mammalia.
6631. *Nassa* (*Niotha*) *plicatula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 86. *Nomen nudum*.—*Nassa* (*Telasco*) *mucronata* A. Ad[ams, 1852], Schmeltz, 1874[V]: 124, with "N. *plicatula* Dkr. [= Dunker] i.l." in synonymy and reference back to Catalog IV.

- NOTE: No description of *Nassa plicatula* by Dunker. has been located.
6632. *Engina pygmaea* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88. *Nomen nudum*.
NOTE: No description of this species has been located. It is not likely that this was intended for *Columbella pygmaea* G.B. Sowerby I, 1832 from Central America.
6633. *Pyrene obtusa* Sow[erby] var. *major* [no author], Schmeltz, 1869[IV]: 87. *Nomen nudum*.—*Pyrene obtusa* Sow[erby], Schmeltz, 1874[V]: 125.
NOTE: No description of this variety has been located. There is no mention of the nude name *major* in Catalog V.
6634. *Columbella micans* Pease, Schmeltz, 1869[IV]: 87; 1874[V]: 125. *Nomen nudum*.
NOTE: No description of this species by Pease has been located. Name made available as *Columbella micans* Tryon, 1883.
6636. *Nerita samoensis* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 99. *Nomen nudum*.
NOTE: = *Nerita samoensis* Dunker, 1871]
6637. *Amycla tessellata* [sic] Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 87. *Nomen nudum*.
NOTE: = *Amycla (Astyris) tessellata* Dunker, 1871.
- 6638a. *Barbatia attenuata* Dkr. [= Dunker], Schmeltz, 1869[IV]: 114. *Nomen nudum*.
NOTE: No description of this species has been located. It was listed in the synonymy of *Barbatia parva* (G. B. Sowerby I, 1833b) by Lynge (1909 :18 [114]) with reference to Catalog IV and also to Catalog V where it was listed with the number 9477 as *Barbatia parva* Sow[erby] with “*B. attenuata* Dkr. i. l. Mus. Godeffroy Cat. IV” in synonymy.
6640. *Littorina littorea* L[innaeus] var. *maxima costata* [no author], Schmeltz, 1874[V]: 105. See number 6440.
6648. *Tritonium (Lagena) nodosum* Ch[emnitz], Schmeltz, 1869[IV]: 96, with “*Fusus wiegmanni* Anton” in synonymy. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Cymatium (Linatella) wiegmanni* (Anton, 1838).
6663. *Meretrix impudica* Ch[emnitz], Schmeltz, 1869[IV]: 110 ; 1874[V]: 168. In 1869 with synonyms “*Mer. labiosa*” Lam. and “*V. meretrix* L.” *Nomen nudum*.
NOTE: Chemnitz’s name is not available. Schmeltz’s use of names is confusing, as is the subsequent literature. Considering all factors, the species involved is probably *Meretrix casta* (Gmelin, 1791).
6667. *Marginella sutoris* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 81; 1874[V]: 115. In subgenus *Prunum* in 1874. *Nomen nudum*.
NOTE: Never described by Dunker. Tomlin (1918: 307, pl. 10, fig. 7) illustrated what he believed to be “an authentic example of the shell distributed by the Godeffroy Museum under this manuscript name ... It is obviously the same species as *gibbosa* Jous., and the locality of ‘South America’ must be an error.” As Tomlin figured a specimen under this name, *Marginella sutoris* Tomlin, 1918 is an available name.
6669. *Marginella subcoerulea* Mart[ini], Schmeltz, 1869[IV]: 81; 1874[V]: 115, with “*M. coerulescens* Lam.” in synonymy in 1869. *Nomen nudum*.
NOTE: No description of this species has been located. Listed from the Antilles by Krebs (1864: 45) but not made available.
6671. *Cymbiola brasiliiana* Sol[ander], Schmeltz, 1869[IV]: 81; 1874[V]: 115, with “*V. colocynthis* Clemn. [sic]” in synonymy in 1869. *Nomen nudum*.
NOTE: Name not made available by Solander. = *Adelomelon brasiliiana* (Lamarck, 1811).
- 6671a. *Cymbiola magnifica* Chem[nitz], Schmeltz, 1874[V]: 115. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Cymbiola magnifica* (Gebauer, 1802).
6682. *Turricula (Pusia) patriarchalis* Chem[nitz], Schmeltz, 1869[IV]: 84; 1874[V]: 119. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Vexillum (Pusia) patriarchalis* (Gmelin, 1791).
6689. *Phasianella tritonis* Ch[emnitz], Schmeltz, 1874[V]: 100. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Phasianella australis* (Gmelin, 1791)
6696. *Pyrene obtusa* Sow[erby] var. *curta* [no author], Schmeltz, 1874[V]: 125. *Nomen nudum*.
NOTE: No description of this variety has been located.
6765. *Leiostraca striatula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77. *Nomen nudum*.
NOTE: No description of this species has been located.
6766. *Leiostraca vitrea* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77. *Nomen nudum*.
NOTE: No description of this species has been located.
6768. *Eulima parvula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 78. *Nomen nudum*.
NOTE: No description of this species has been located.
6812. *Triforis quadrilineata* Dkr. [= Dunker], Schmeltz, 1874[V]: 113. *Nomen nudum*.

NOTE: No description of this species has been located.

6816. *Bittium dunkeri* Nob[is] var. *lineata* [no author], Schmeltz, 1874[V]: 113. *Nomen nudum*.

NOTE: See numbers 1781 and 1784.

6817. *Triforis lactea* Dkr. [= Dunker], Schmeltz, 1874[V]: 113. *Nomen nudum*.

NOTE: No description of this species has been located.

6818. *Triforis janthina* Dkr. [= Dunker], Schmeltz, 1874[V]: 113 ; 1877[VI]: 105. *Nomen nudum*.

NOTE: No description of this species has been located.

6819. *Triforis* (vel nov. Gen.) *torcula* Dkr. [= Dunker], Schmeltz, 1869[IV]: 80. *Nomen nudum*.

NOTE: No description of this species has been located.

6820. *Triforis ventrosula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 80; 1874[V]: 113. *Nomen nudum*.

NOTE: No description of this species has been located.

6826. *Triforis distinguenda* Dkr. [= Dunker], Schmeltz, 1874[V]: 113 ; 1877[VI]: 104. *Nomen nudum*.

NOTE: No description of this species has been located.

6827. *Triforis nana* Dkr. [= Dunker], Schmeltz, 1874[V]: 113. *Nomen nudum*.

NOTE: No description of this species has been located.

6831. *Triforis punctulata* Dkr. [= Dunker], Schmeltz, 1874[V]: 113. *Nomen nudum*.

NOTE: No description of this species has been located.

6833. *Triforis schmeltziana* Dkr. [= Dunker], Schmeltz, 1874[V]: 113. *Nomen nudum*.

NOTE: No description of this species has been located.

6835. *Turritella zonata* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77. *Nomen nudum*.

NOTE: No description of this species has been located.

6841. *Turbonilla* (*Chemnitzia* d'Orb[igny]) *crystallina* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 78. *Nomen nudum*.

NOTE: No description of this species by Dunker has been located. Introduced as *Turbonilla* (*Nisiturris*) *crystallina* Dall & Bartsch, 1906 with reference to Schmeltz's listing.

6842. *Eulima brevicula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77; 1874[V]: 107; 1877[VI]: 104, with comment: "parasitizing on *Archaster typicus*." As "n. sp." in 1869 and 1877. *Nomen nudum*.

NOTE: No description of this species has been located. Tryon (1886: 285) listed under *Eulima mindoroensis* A. Adams & Reeve, 1850 with comment that "it has been extensively distributed from the Viti Islands under the name of *E. brevicula*, Dunker".

6844. *Leiostraca splendida* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77. *Nomen nudum*.

NOTE: No description of this species has been located. In a footnote on [V]: 107 it is stated that it has been determined that this is a species of *Odostomia* and therefore must be called "*O. splendida* Dkr. [= Dunker]".

6854. *Eulima crassiuscula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 77. *Nomen nudum*.

NOTE: No description of this species has been located.

6855. *Olivella* (*Olivina*) *nitens* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 83; 1874[V]: 117. In subspecies *Olivina* and as "n. sp." only in 1869. *Nomen nudum*.

NOTE: No description of this species by Dunker has been located. Name made available as *Oliva nitens* Marrat, 1871, attributed by Marrat to Dunker. Placed in synonymy of *Olivella simplex* Pease, 1868c by Tryon (1883: 72).

6859. *Rissoina schmeltziana* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 75; 1874[V]: 103. As "n. sp." only in 1869. *Nomen nudum*.

NOTE: No description of this species has been located. Placed in synonymy of *Rissoina mohrensterni* Deshayes, 1863 by Tryon (1887: 386).

6877. *Capulus* (*Thyca*) *costatogranosus* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 76. *Nomen nudum*.

NOTE: No description of this species has been located.

6879. *Ruma simiae* Chem[nitz], Schmeltz, 1869[IV]: 77 ; 1874[V]: 107; 1879[VII]: 87. *Nomen nudum*.

NOTE: Chemnitz's name is not available. Name made available as *Natica simiae* Deshayes, 1838.

6880. *Vanikoro cancellata* Ch[emnitz]?, Schmeltz, 1869[IV]: 76. *Nomen nudum*.—*Vanikoro petitiana* Recl. [= Récluz], Schmeltz, 1874[V]: 106.

NOTE: Chemnitz's name is not available. The name was made available as *Vanikoro cancellata* (Lamarck, 1822), which is the type species of *Vanikoro* and a senior synonym of *V. petitiana* (Récluz, 1844).

6882. *Cerithiopsis clathrata* A. Ad[ams]**), Schmeltz, 1874[V]: 108.

NOTE: The footnote **) indicates that Angas had described a species *Cerithiopsis clathratus* Angas, 1871 and that Angas's use was renamed *Cerithiopsis angasi* O. Semper. As Semper did not publish this, this replacement name is attributable to Schmeltz, 1874.

The name *Cerithiopsis clathrata* A. Adams in H. Adams & A. Adams, 1853 is a *nomen nudum*. Adams later named a *Cerithium clathratum* A. Adams, 1855 which was placed in *Potamides (Pirenella)* by Tryon (1887: 165–166).

Tryon (pp. 172–173) listed and figured *Cerithiopsis angasi* Semper [sic; = Schmeltz] with reference only to Schmeltz, noting that it had been “described by Angas under the preoccupied name of *C. clathrata*.” There is nothing in Tryon, or elsewhere, to indicate why *Cerithiopsis clathrata* Angas, 1871 (p. 16, pl. 1, fig. 12) is preoccupied by any other usage in *Cerithiopsis*.

6897. *Turricula (Costellaria) dunkeri* mihi, Schmeltz, 1869[IV]: 84, with synonym “*M. rigidae* Sw. per affinis.” *Nomen nudum*.—*Turricula (Costellaria) deshayesi* Reeve, Schmeltz, 1869[V]: 119, with synonym: “*M. dunkeri* mihi Mus. Godeffroy Cat. IV”;—*Turricula deshayesi* Reeve, Schmeltz, 1869[V]: 210, with synonyms “*Mitra rigida* Reeve non Sws.” and “*M. dunkeri* Schmeltz Mus. God. Cat. IV.” *Nomen nudum*.

NOTE: There is no “*Turricula deshayesi* or *deshayesi* Reeve” as shown by Garrett (1880: 52) who placed these Schmeltz listings in the synonymy of *Mitra michau* Crosse & Fischer, 1864. It was separated again, and the name made available, “ex Schmeltz Mss.” as *Mitra (Costellaria) deshayesi* var. *dunkeri* Dautzenberg & Bouge, 1922: 201.

6908. *Turricula pupula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 84. [Mitridae]. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. Name made available as *Turricula (Pusia) pupula* Tryon, 1882: 194. Tryon’s figured specimen (ANSP 28851) was stated to be from the Godeffroy Museum.

6912. *Turricula elegantula* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 84. [Mitridae] *Nomen nudum*.
NOTE: = *Mitra (Turricula) elegantula* Dunker, 1871.

6918. *Engina zebra* Dkr. [= Dunker], Schmeltz, 1874[V]: 128, with “*Ric. iostoma* Reeve” in synonymy. *Nomen nudum*.
NOTE: No description of this species by Dunker has been located. Made available as *Columbella (Engina) zebra* Kobelt, 1897, attributed to Dunker.

6927. *Coralliophyla* [sic] *neritoidea* Chem[nitz], Schmeltz, 1869[IV]: 89, with “*Purp. violacea* Kien.” in synonymy. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. Name was made available as *Murex neritoidea* Gmelin, 1791 but that usage is preoccupied. = *Coralliophila violacea* (Kiener, 1836).

6930. *Lunella mespilum* Ch[emnitz], Schmeltz, 1869[IV]: 100; 1874[V]: 158, with “*T. Porphyrites* Kien.” in synonymy in 1869. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Turbo mespilum* Gmelin, 1791.

6931. *Trochus acutangulus* Ch[emnitz], Schmeltz, 1869[IV]: 100, with “*T. elatus* L.” in synonymy. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is *Tectus conus* (Gmelin, 1791).

6945. *Cyclostrema nivea* Ch[emnitz]?, Schmeltz, 1874[V]: 167. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is, according to Tryon (1888: 92), *Cyclostrema laevis* (Kiener, 1838) but his discussion of A. Adams’s usage (1888: 96) should be read. Tryon attributed the species to Adams who had used Chemnitz’s name, placing it apart from *C. laevis* (Kiener) and stating that it did not match the figures.

6946. *Emarginula elliptica* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 102 ; 1874[V]: 148; 1877[VI]: 107. *Nomen nudum*.
NOTE: No description of this species has been located.

6968. *Tellina (Angulus) vitrea* Dkr. [= Dunker], Schmeltz, 1874[V]: 167. *Nomen nudum*.
NOTE: No description of this species has been located.

6969. *Tellina (Angulus) rudolphi* Dkr. [= Dunker], Schmeltz, 1874[V]: 167. *Nomen nudum*.
NOTE: No description of this species has been located. There is no reason to consider it being *Tellina (Strigilla) rudolphi* Brazier, 1898.

6976. *Venus cicercula* Dkr. [= Dunker], Schmeltz, 1874[V]: 168. *Nomen nudum*.
NOTE: No description of this species has been located.

- 7090a. *Planorbis planissimus* Mss. [= Mousson], Schmeltz, 1874[V]: 88. *Nomen nudum*.
NOTE: In Catalog IV as number 7091, q.v.

7091. *Planorbis planissimus* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 69. *Nomen nudum*. NOTE: No description of this species by Mousson has been located. = *Planorbis planissimus* Clessin, 1884: 165. Clessin attributed to Mousson with reference to Schmeltz’s listing. Also see number 7090a.

7095. *Hydrocena obscura* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 74. *Nomen nudum*.
NOTE: No description of this species has been located.

7105. *Telescopium fuscum* Ch[emnitz], Schmeltz, 1869[IV]: 81, with “*Trochus telescopium* L.” and “*Trochus indicator* Mtf.” in synonymy. *Nomen nudum*.—*Telescopium fuscum* Ch[emnitz], Schmeltz, 1874[V]: 114. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Telescopium telescopium* (Linnaeus, 1758).
7108. *Mitra (Nebularia) coronata* Ch[emnitz], Schmeltz, 1869[IV]: 83, 136; 1874[V]: 117; 1877[VI]: 105, with “*M. aurora* Dohrn” as a synonym on page 136 in 1869; not in a subgenus in 1874. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Mitra coronata* Lamarck, 1811.
7117. *Oliva (Porphyria) mauritiana* Mart[ini], Schmeltz, 1869[IV]: 136—*Dactylus mauritianus* Mart[ini], Schmeltz, 1874[V]: 117. With 6 names in synonymy in 1869, including *O. vidua*. *Nomen nudum*.
NOTE: Martini’s name is not available. = *Oliva vidua* (Röding, 1798).
7119. *Ancilla (Ancillaria) torosa* Meusch[en], Schmeltz, 1869[IV]: 136; 1874[V]: 116, with “*A. mauritiana* Sow.” and “*A. volutella* Desh.” in synonymy in 1869. *Nomen nudum*.
NOTE: Meuschen’s name is not available. = *Ancillaria mauritiana* G.B. Sowerby I, 1830.
7123. *Mitra adusta* Martin[i], Schmeltz, 1869[IV]: 136; 1874[V]: 117. In subgenus *Nebularia* in 1869. *Nomen nudum*.
NOTE: Martini’s name is not available. = *Mitra adusta* Lamarck, 1811, now placed by Cernohorsky (1967) in the synonymy of *Mitra erimatarum* Röding, 1798.
7128. *Conus (Stephanoconus) peplum* Chem[nitz], Schmeltz, 1874[V]: 134. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Conus peplum* G.B. Sowerby II, 1857.
7130. *Conus (Puncticulus) ceylonicus* Ch[emnitz], Schmeltz, 1869[IV]: 138; 1874[V]: 134. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Conus ceylonicus* G.B. Sowerby II, 1857.
7131. *Leptoconus cassis* Meusch[en], Schmeltz, 1874[V]: 135, with “*C. acuminatus* Hw.” in synonymy. *Nomen nudum*.
NOTE: Meuschen’s name is not available and *cassis* has never been used as a species name in Conidae. It is assumed that the species is *Conus acuminatus* Hwass in Brugière, 1792.
7144. *Tapes adpersa* Chemn[itiz], Schmeltz, 1869[IV]: 111, with “*V. literata* var. Gm.” as a synonym. *Nomen nudum*.—*Tapes punctata* Ch[emnitz], Schmeltz, 1874[V]: 170, with Catalog IV listing in synonymy. *Nomen nudum*.
NOTE: Chemnitz’s names are not available. The correct name for this species is *Tapes literatus* (Linnaeus, 1758).
7176. *Cyrena rugulosa* Mss. [= Mousson] n. sp., Schmeltz, 1869[IV]: 112; 1874[V]: 170. *Nomen nudum*.
NOTE: No description of this species has been located.
7184. *Cyclina chinensis* Chem[nitz], Schmeltz, 1869[IV]: 111; 1874[V]: 170. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is *Cyclina sinensis* (Gmelin, 1791). It is number 4 in Catalog [III]: 43, q.v.
7185. *Tellina interrupta* Sol[ander], Schmeltz, 1869[IV]: 108; 1874[V]: 168. *Nomen nudum*.
NOTE: Solander’s name is not available. The first of two synonyms listed by Schmeltz, *T. listeri* Röding [as Bolt.], 1798 is the correct name for this species.
7194. *Chione peronii* Lam[arck], Schmeltz, 1874[V]: 168.
NOTE: In an addenda on page 212 Schmeltz notes that the correct genus for this species is *Katelyia* [sic, an error for *Katelysia* Römer, 1857].
7215. *Columbella (Anachis) dora* O. Semp[er], Schmeltz, 1874[V]: 126, with “*Columbella pumila* Souv[erbie & Montrouzier] 1863 non *Columbella pumila* Dkr. [= Dunker] 1860” in synonymy.
NOTE: No description or use of this name by Semper has been located. This is a replacement name for the preoccupied *C. pumila* Soubervie in Soubervie & Montrouzier and is *Columbella (Anachis) dora* Schmeltz, 1874. However, a replacement name had already been provided: *Columbella regulus* Soubervie in Soubervie & Montrouzier, 1864.
7216. *Volvaria crystallina* Dkr. [= Dunker], Schmeltz, 1874[V]: 115. *Nomen nudum*.
NOTE: No description of this species has been located.
- 7216a. *Volvaria crystallina* Dkr. [= Dunker] sp.? aff. *V. minima* Guild[ing], Schmeltz, 1874[V]: 115. *Nomen nudum*.
NOTE: No description of this species has been located. The name *minima* attributed to Guilding does not appear in Tomlin’s list of the Marginellidae although he treated the preceding item.
7220. *Tellina (Angulus) samoensis* Dkr. [= Dunker], Schmeltz, 1874[V]: 167. *Nomen nudum*.
NOTE: No description of this species has been located.
7233. *Patella spinulosa* Meusch[en], Schmeltz, 1874[V]: 149. *Nomen nudum*.
NOTE: Meuschen’s name is not available. The Godeffroy specimens from Samoa must remain unknown until material with original labeling is found.

7234. *Callista (Cytherea) peasei* Dkr. [= Dunker], Schmeltz, 1874[V]: 169, with “*C. kingii* Desh. Mus. Godeffroy Cat. IV [3346a]” in synonymy. *Nomen nudum*.
NOTE: No description of *C. peasei* by Dunker has been located. Deshayes (1863: 59) did not introduce the name *C. kingii* but he properly attributed it to Gray who described it as *Cytherea kingii* Gray, 1826. The latter name is in current use as *Callista (Notocallista) kingii* (Gray in King, 1827) [sic; = Gray, 1826] by Huber (2010: 408).
7306. *Mitra versicolor* Martyn, Schmeltz, 1874[V]: 117. *Nomen nudum*.
NOTE: Martyn’s name is not available. = *Mitra nubila* (Gmelin, 1791).
7310. *Bursa garretti* Nobis, Schmeltz, 1874[V]: 139. *Nomen nudum*.
NOTE: No description of this species has been located. The footnote “*R. rosea* Reeve vero simil.” is not sufficient to validate the name.
7620. *Nubecula obscura* Humph[rey], Schmeltz, 1874[V]: 135. *Nomen nudum*.
NOTE: Humphrey’s name is not available. This species was named *Conus obscurus* G. B. Sowerby I, 1833a who referenced Humphrey.
7636. *Nanina kermadecana* Mss. [= Mousson], Schmeltz, 1874[V]: 91. *Nomen nudum*.
NOTE: This is an error of spelling and authorship. It was introduced as *Helix kermadeci* Pfeiffer, 1857 from the same location. It was later treated as *Microstys kermadeci* Pfeiffer by Mousson (1873: 111).
7640. *Leptoconus pertusus* Ch[emnitz], Schmeltz, 1874[V]: 136. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. = *Conus pertusus* Hwass in Bruguière, 1792.
7641. *Cypraea tabescens* Sol[ander], Schmeltz, 1874[V]: 137. *Nomen nudum*.—*Cypraea teres* var. *tabescens* Sol[ander], Schmeltz, 1877[VI]: 107. *Nomen nudum*.
NOTE: Solander’s name is not available. It was made available as *Cypraea tabescens* Dillwyn, 1817 and is currently placed in synonymy of *Cypraea teres* Gmelin, 1791.
7895. *Mitra tessellata* Martyn, Schmeltz, 1874[V]: 117; 1877[VI]: 86. *Nomen nudum*.
NOTE: Martyn’s name is not available. = *Mitra incompta* [Lightfoot, 1786].
7931. *Partula protea* Pse. [= Pease], Schmeltz, 1874[V]: 92. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *P. fusca* Pease, 1866 by Garrett (1884: 71).
7935. *Partula huahinensis* Garr[ett] i.l. cum var., Schmeltz, 1874[V]: 92. *Nomen nudum*.
NOTE: Never described by Garrett. Listed by Garrett (1884: 78) as a *nomen nudum* in synonymy of *P. varia* Broderip, 1832. Schmeltz (1874[V]: 97) listed number 7935 as “*Partula pulchra* Pse. cum. var.” See number 8512.
7938. *Partula crassa* Pse. [= Pease], Schmeltz, 1874[V]: 92. *Nomen nudum*.
NOTE: No description of this species has been located. Pease’s MS. name placed in synonymy of *Patula otaheitana* (Bruguière) by Garrett (1884: 46–47).
7940. *Partula sinistrorsa* Pse. [= Pease], Schmeltz, 1874[V]: 92. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *P. otaheitana* Bruguière, 1792 by Garrett (1884: 46).
7943. *Patula incerta* Mss. [= Mousson] n. sp. i.l., Schmeltz, 1874[V]: 93. *Nomen nudum*.
NOTE: No description of this species has been located. Schmeltz’s listing placed in synonymy of *Patula parvidens* (Pease, 1861b) by Garrett (1884: 31).
7952. *Patula tahitiensis* Pse. [= Pease], Schmeltz, 1874[V]: 93. *Nomen nudum*.
NOTE: No description of this species has been located. Pease used the name *tahitiensis* [sic] for several species, but not for an endodontoid.
7958. *Hydrocena tahitiensis* Mss. [= Mousson], Schmeltz, 1877[VI]: 104. *Nomen nudum*.
NOTE: No description of this species has been located.
7974. *Strombus (Monodactylus) adustus* Ch[emnitz], Schmeltz, 1874[V]: 148, with “*S. melanostomus* Sws. [= Swainson]” in synonymy. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. The earliest available name for this species is *Strombus aratrum* (Röding, 1798); not *aratrum* Martyn which is number 1865.
8056. *Helicina altivaga* Mss. [= Mousson] n. sp. i.l., Schmeltz, 1874[V]: 99. *Nomen nudum*.
NOTE: Garrett (1887c: 152) stated “this species was neither described nor figured.” It was described as *Helicina altivaga* Ancey, 1889: 205. Ancey gave a direct reference to the Godeffroy Catalog.
8088. *Engina rarotongensis* Nobis, Schmeltz, 1874[V]: 127. *Nomen nudum*.
NOTE: No description of this species has been located. In his catalog of Columbelloidea, Pace (1902: 128) listed as “*rarotongensis* [sic] Schmaltz [sic]” with a query. Not found elsewhere except in Schmeltz, 1877[VI]: 88 where it is 9088, q.v.

8132. *Amphipeplea acuta* Mss. [= Mousson] n. sp. i. l., Schmeltz, 1874[V]: 89. *Nomen nudum*.
NOTE: No description of this species has been located.
8400. *Helix albomarginata* Mss. [= Mousson] n. sp. i.l., Schmeltz, 1874[V]: 95. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in the synonymy of *Varohadra oconnellensis* (Cox, 1871) by Iredale (1933) when he described the genus *Varohadra*.
8402. *Helix basalis* Mss. [= Mousson] var., Schmeltz, 1874[V]: 97. *Nomen nudum*.
NOTE: See number 5282a.
8416. *Helicina testudinalis* Mss. [= Mousson] n. sp. i.l., Schmeltz, 1874[V]: 99. *Nomen nudum*.
NOTE: No description of this species has been located.
8426. *Tahitia moussoni* O. Semper, Schmeltz, 1874[V]: 102. *Nomen nudum*.
NOTE: No description of this species has been located. Made available as *Scalinella moussoni* Garrett, 1884: 100.
8434. *Partula cognata* Pse. [= Pease], Schmeltz, 1874[V]: 92. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *P. rosea* Broderip, 1832 by Garrett (1884: 67).
8440. *Patula acuticosta* Mss. [= Mousson], Schmeltz, 1874[V]: 93. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located. = *Patula acuticosta* Garrett, 1884: 30, “ex. Mousson, MS.”
8441. *Patula intermixta* Mss. [= Mousson], Schmeltz, 1874[V]: 93. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *Endodonta fabrefacta* (Pease, 1864) by Garrett (1884: 30).
8443. *Helicina decolorata* Mss. [= Mousson] n. sp. i.l., Schmeltz, 1874[V]: 99. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *H. inconspicua* Pfeiffer, 1848 [sic; = 1849] by Garrett (1884: 103).
8446. *Melania societalis* Mss. [= Mousson] i. l., Schmeltz, 1874[V]: 110. *Nomen nudum*.
NOTE: No description of this species has been located.
8512. *Partula pulchra* Pse. [= Pease], Schmeltz, 1874[V]: 92, 97, as “sp. nov., *P. pulchra* var. Pse.” on p. 97. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *P. varia* Broderip, 1832 by Garrett (1884: 78). Schmeltz also listed number 7935 as “*Partula pulchra* Pse. cum var.”
8528. *Patula acutior* Mss. [= Mousson] n. sp. i.l., Schmeltz, 1874[V]: 94. *Nomen nudum*.
NOTE: No description of this species has been located.
8530. *Patula modicella* Fér[ussac] var. *pallida*? [no author], Schmeltz, 1874[V]: 94. *Nomen nudum*.
NOTE: No description of this variety has been located.
8532. *Nanina subcicercula* Mss. [= Mousson], Schmeltz, 1874[V]: 91. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located. Name made available by Garrett (1881: 362). See Taxa Note 4.
8535. *Assimineia ovata* Pse. [= Pease], Schmeltz, 1874[V]: 103. *Nomen nudum*.
NOTE: No description of this species has been located. This listing placed in synonymy of *Assimineia nitida* Pease, 1864 [sic; =1865a] by Garrett (1887c: 152).
8541. *Garrettia***) *rotella* Pse. [= Pease], Schmeltz, 1874[V]: 100.
NOTE: The footnote **) states: “gen. nov. O. Semper in litt.” The genus *Garrettia* is attributable to Paetel (1873: 17, 124). Wenz (1939: 639) designated *Pterocyclos parva* Pease, 1865b as type species of *Garrettia* Paetel, 1873.
8551. *Helicina straminea* Pse. [= Pease], Schmeltz, 1874[V]: 99. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *H. flavescens* Pease, 1868b by Garrett (1881: 407; 1884: 101).
8582. *Patula aitutakiana* Mss. [= Mousson], Schmeltz, 1874[V]: 94. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located. Placed in synonymy of *Pityis imperforata* (Pease, 1870) by Garrett (1881: 389).
8583. *Patula sublaminate* Mss. [= Mousson], Schmeltz, 1874[V]: 94. *Nomen nudum*.
NOTE: No description of this species by Mousson has been located. Placed in synonymy of *Patula rudis* Garrett, 1872 with a query by Garrett (1881: 387).
8687. *Rissoina curta* Sow[erby]?, Schmeltz, 1874[V]: 104. *Nomen nudum*.
NOTE: Never described by Sowerby, this is a manuscript name used by Mohnenstern (1860: 107) in synonymy.
8688. *Echinella grandinata* Chem[nitz], Schmeltz, 1874[V]: 105. *Nomen nudum*.

- NOTE: Chemnitz's name is not available. = *Tectarius grandinata* (Gmelin, 1791).
8695. *Mamma pes-elephantis* Chem[nitz], Schmeltz, 1874[V]: 107. *Nomen nudum*.
NOTE: Chemnitz's name is not available. = *Natica peselephanti* Link, 1807.
8711. *Eulima contracta* O. Semp[er], Schmeltz, 1874[V]: 108, with “*E. inflexa* Pse *)” in synonymy.
NOTE: The footnote *) states that the name “*inflexa*” was used by Deshayes in 1835. That attribution is in error as explained by Warén (1981: 150) who showed that Pease's name is not preoccupied. Under I.C.Z.N. (1999) Art. 59.3 *Eulima inflexa* Pease, 1868 would be “permanently invalid unless the substitute name is not in use and the relevant taxa are no longer considered congeneric.” That is the case here as Warén, who treated the species as *Pavioris inflexa* (Pease, 1867 [sic; =1868c]), did not accept the substitute name. Warén cited the Godeffroy Catalog as the origin of *Eulima contracta* Schmeltz, 1874 but attributed it to Semper. The correct name for the species is *Pavioris inflexa* (Pease) as used by Warén.
8782. *Bittium upolense* Nob[is], Schmeltz, 1874[V]: 113. *Nomen nudum*.—*Bittium upolensis* [sic] Nobis, Schmeltz, 1877[VI]: 104. *Nomen nudum*.
NOTE: No description of this species has been located.
8812. *Turricula (Costellaria) cruentata* Chem[nitz], Schmeltz, 1874[V]: 119; 1879[VII]: 87. *Nomen nudum*.
NOTE: Chemnitz's name is not available. = *Vexillum cruentata* (Gmelin, 1791).
8815. *Pendactylus scti. mauritii* [sic] Ch[emnitz], Schmeltz, 1874[V]: 122, with “*Ricinula concatenata* Blv. var.” in synonymy. *Nomen nudum*.
NOTE: Chemnitz's name is not available. Name made available as *Buccinum s. mauritii* [sic; = *sanctimauritii*] Gmelin, 1791. Placed in the genus *Polia* by Gray (1839: 112). No current use of the name has been located.
8832. *Turricula (Costellaria) emiliae* Nobis, Schmeltz, 1874[V]: 119, with “*M. plicatula* Pse. [= *Turricula plicatula* Pease, 1868a] *)” in synonymy.
NOTE: The footnote states that “*plicatula*” was used for a *Mitra* by Brocchi, 1814 [*Voluta plicatula* Brocchi, 1814]. *Vexillum emiliae* (Schmeltz, 1874) is in use but sometimes attributed to Garrett, 1880 in error although Garrett (1880: 45) correctly attributed the name to Schmeltz and gave a complete reference.
8843. *Murex (Ocinebra) schmeltzianus* Dkr. [= Dunker], Schmeltz, 1874[V]: 131. *Nomen nudum*.
NOTE: No description of this species has been located.
8848. *Latirus nodatus* Mart[yn], Schmeltz, 1874[V]: 128. *Nomen nudum*.
NOTE: Martyn's name is not available. = *Benimakia nodata* (Gmelin, 1791).
8856. *Murex hystrix* Mart[ini], Schmeltz, 1874[V]: 130. *Nomen nudum*.
NOTE: Martini's name is not available. This is *Murex scolopax* Dillwyn, 1817.
8873. *Strombus (Monodactylus) tricornis* Mart[ini], Schmeltz, 1874[V]: 142. *Nomen nudum*.
NOTE: Martini's name is not available. = *Strombus tricornis* [Lightfoot, 1786].
8874. *Gladius magnus* Ch[emnitz], Schmeltz, 1874[V]: 141; with “*Rostellaria curvirostris* Lam.” in synonymy. *Nomen nudum*.
NOTE: Chemnitz's name is not available. This is *Tibia insulaechorab* Röding, 1798.
8929. *Malleus albus* Ch[emnitz], Schmeltz, 1874[V]: 176. *Nomen nudum*.
NOTE: Chemnitz's name is not available. = *Malleus albus* Lamarck, 1819.
9037. *Cithara elegans* Garr[ett] (Msc.), Schmeltz, 1877[VI]: 89. *Nomen nudum*.
NOTE: No description of this species has been located.
9088. *Engina rarotongensis* Nobis, Schmeltz, 1877[VI]: 88. *Nomen nudum*.
NOTE: There is no description. No other record of this name has been located except in Schmeltz, 1874[V]: 127 where it appeared as number 8088, q.v.
9207. *Amycla minuta* Dkr. [= Dunker], Schmeltz, 1869[IV]: 87 [as number 3624]. *Nomen nudum*.—*Amycla sublaevis* Montr[ouzier in Souverbie & Montrouzier], Schmeltz, 1874[V]: 127; with “*A. minuta* Dkr. [= Dunker] M. God. Cat. IV.” in synonymy.
NOTE: No description of *A. minuta* by Dunker has been located. The species is *Columbella (Pisania?) sublaevis* Montrouzier in Souverbie & Montrouzier, 1864.
9209. *Columbella (Mitrella) pellucida* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88 [as number 3623a]. *Nomen nudum*.—*Amycla sublaevis* Montr[ouzier] var. *minor* [no author], Schmeltz, 1874[V]: 127, with “*Mitrella pellucida* Dkr. Mus. Godeffroy Cat. IV” in synonymy. *Nomen nudum*.
NOTE: No description of *C. pellucida* by Dunker has been located. Possibly an error for *C. pellucida* Pease, 1861a. The varietal name *minor* has been used in Columbellidae at least nine times, none seeming to fit here.
9214. *Columbella (Anachis) semen* Dkr. [= Dunker] n. sp., Schmeltz, 1869[IV]: 88 [as number 1811a]; 1874[V]: 127. *Nomen nudum*.
NOTE: No description of this species has been located.
9288. *Natica hieroglyphica* Garr[ett] Msc., Schmeltz, 1877[VI]: 85. *Nomen nudum*.

NOTE: No description of this species has been located.

9342. *Nerita costata* Ch[emnitz], Schmeltz, 1874[V]: 143. *Nomen nudum*.

NOTE: Chemnitz's name is not available. = *Nerita costata* Gmelin, 1791.

9370. *Clanculus godeffroyi* Dkr. [= Dunker], Schmeltz, 1874[V]: 123. *Nomen nudum*.

NOTE: No description of this species by Dunker has been located.

9372. *Clanculus lugubris* Dkr. [= Dunker] *, Schmeltz, 1874[V]: 123. *Nomen nudum*.

NOTE: No description of this species by Dunker has been located. The footnote [*] states: "*Trochus radula* Parr[eyss] vero simill."

9380. *Pecten nigromaculatus* Dkr. [= Dunker], Schmeltz, 1877[VI]: 97. *Nomen nudum*.

NOTE: Never described by Dunker. Name made available as *Pecten nigromaculatus* Kobelt in Küster & Kobelt, 1888, ex Dunker MSS. Now (e.g., Dijkstra & Köhler 2008) placed in synonymy of *Coralichlamys madreporarum* (G.B. Sowerby II, 1842). However, that species is in Catalog 1874[V]: 177 as number 3642.

9381. *Pecten sulphureus* Dkr. [= Dunker], Schmeltz, 1874[V]: 177; 1877[VI]: 97. *Nomen nudum*.

NOTE: Never described by Dunker. Name made available as *Pecten sulphureus* Kobelt in Küster & Kobelt, 1888, ex Dunker MSS., now (e.g., Dijkstra & Kilburn 2001: 294; as *Semipallium*) placed in synonymy of *Pascahinnites coruscans* (Hinds, 1845).

9387. *Pecten glaucinus* Dkr. [= Dunker], Schmeltz, 1874[V]: 177. *Nomen nudum*.

NOTE: No description of this species by Dunker has been located.

9470. *Pinna bicolor* Ch[emnitz], Schmeltz, 1874[V]: 176. *Nomen nudum*.

NOTE: Chemnitz's name is not available. = *Pinna bicolor* Gmelin, 1791.

9472. *Barbatia wendtii* Nobis, Schmeltz, 1874[V]: 173; 1877[VI]: 96; as "Nobis" only in 1874. *Nomen nudum*.

NOTE: Never described by Schmeltz, the name was made available by Lamy and the species is now *Miratacar wendtii* (Lamy, 1907).

9573. *Purpura (Polytropa) crispata* Ch[emnitz], Schmeltz, 1874[V]: 123. *Nomen nudum*.

NOTE: Chemnitz's name is not available. His figures named *Murex crispatum* (Holten, 1802), a synonym of *Nucella lamellosa* (Gmelin, 1791).

9601. *Cardium (Cerastoderma) corbis* Martyn, Schmeltz, 1874[V]: 171. *Nomen nudum*.

NOTE: Martyn's name is not available. This species is usually considered to be *Clinocardium nuttalli* (Conrad, 1837).

9618. *Ziziphinus costatus* Martyn, Schmeltz, 1874[V]: 147, with "*Z. filiosus* Gld. Rv. sp. 27" in synonymy.—*Calliostoma costatum* Mart[yn], 1877[VI]: 90. *Nomen nudum*.

NOTE: Martyn's name is not available. This is *Calliostoma ligatum* (Gould, 1849).

9664. *Columbella concinna* Dkr. [= Dunker], Schmeltz, 1874[V]: 126, with "*C. elegantula* Dkr. [= Dunker] i.l." in synonymy. *Nomen nudum*.

NOTE: No description of either *C. concinna* or *C. elegantula* by Dunker has been located. See number 6613 for a prior listing of *Columbella concinna*.

9678. *Tellina (Psammotella) rufescens* Ch[emnitz], Schmeltz, 1874[V]: 167, with "*T. opercularis* Sow." in synonymy. *Nomen nudum*.

NOTE: Chemnitz's name is not available. = *Psammotella cruenta* [Lightfoot, 1786].

9679. See number 1041. Not to be confused with following entry.

9679. *Scala tenuicostata* Garr[ett], Schmeltz, 1877[VI]: 105. *Nomen nudum*.

NOTE: No description of this species by Garrett has been located. Possibly an error for *Scalaria tenuicostata* G.B. Sowerby II, 1844.

9738. *Partula callistoma* Pfr. [= Pfeiffer], Schmeltz, 1874[V]: 207; 1877[VI]: 81. *Nomen nudum*.

NOTE: No description of this species has been located. Placed in synonymy of *P. callifera* Pfeiffer, 1856 [sic; =1857] by Garrett (1884: 60).

9744. *Partula labiata* Pse. [= Pease] (Mscr.), Schmeltz, 1874[V]: 207; 1877[VI]: 80, with "(Mscr.)" only in 1874. *Nomen nudum*.

NOTE: No description of this species has been located. This reference placed in synonymy of *Partula dentifera* Pfeiffer, 1852 [sic; =1854] by Garrett (1884: 68).

9749. *Partula globosa* Pse. [= Pease] (Mscr.), Schmeltz, 1874[V]: 207; 1877[VI]: 80, with "(Mscr.)" only in 1874. *Nomen nudum*.

NOTE: No description of this species has been located. This reference placed in synonymy of *Partula hebe* (Pfeiffer, 1846b) by Garrett (1884: 53).

9752. *Partula approximata* Pse. [= Pease] (Mscr.), Schmeltz, 1874[V]: 207; 1877[VI]: 80, with "(Mscr.)" only in 1874. *Nomen nudum*.

- NOTE: No description of this species has been located. This reference placed in synonymy of *Partula vittata* Pease, 1866 by Garrett (1884: 75).
9759. *Partula virginea* Pse. [= Pease], 1877[VI]: 81. *Nomen nudum*.
NOTE: No description of this species by Pease has been located. Name made available as *Partula virginea* Garrett, 1884: 61.
9760. *Omphalotropis boraborensis* Pse. [sic], 1877[VI]: 84. Not described by Pease who correctly attributed it to Dohrn.
NOTE: = *Omphalotropis boraborensis* Dohrn, 1859.
9764. *Gadinia varia* Garr[ett], Schmeltz, 1874[V]: 208 ; 1877[VI]: 85. *Nomen nudum*.
NOTE: Garrett (1878 : 335) stated that he had distributed specimens under this name but identified them as being the same as “Sowerby’s *reticulata* collected in California”. This synonymy was corrected by Rehder (1980: 99) who placed Garrett’s unavailable name in the synonymy of *Trimusculus odhneri* (Hubendick, 1946).
9768. *Chromodoris incarnata* Pse. [= Pease], Schmeltz, 1877[VI]: 93. *Nomen nudum*.
NOTE: No description of this species has been located.
9876. *Helicina bella* Pse. [= Pease], Schmeltz, 1877[VI]: 83. *Nomen nudum*.
NOTE: No description of this species has been located. Placed in synonymy of *H. maugeriae albinea* Pease, 1872 by Garrett (1884: 101).
10011. See number 7641.
10433. *Clausilia tridens* Ch[emnitz], Schmeltz, 1877[VI]: 80. *Nomen nudum*.
NOTE: Chemnitz’s name is not available. Listed in current publications as *Nenia bidens* (Schweigger, 1820).
10468. *Planaxis pygmaea* Garrett, Schmeltz, 1877[VI]: 81. *Nomen nudum*.
NOTE: No description of this species has been located.
10469. *Placostylus vitiensis* Garr[ett], Schmeltz, 1877[VI]: 81. *Nomen nudum*.
NOTE: = *Placostylus vitiensis* Garrett, 1887a.
11030. *Scutellina squamosa* Garr[ett], Schmeltz, 1877[VI]: 91. *Nomen nudum*.
NOTE: No description of this species has been located.
12513. *Calliostoma canaliculatum* Mart[yn], Schmeltz, 1877[VI]: 90. *Nomen nudum*.
NOTE: Martyn’s name is not available. = *Calliostoma canaliculatum* [Lightfoot, 1786].
12649. *Cylindrella gracilis* Ch[emnitz], Schmeltz, 1877[VI]: 80 (from Jamaica). *Nomen nudum*.
NOTE: Chemnitz’s name is not available. This is considered to be an error for *Cylindrella gracilis* (Wood, 1828) which is also from Jamaica.
12862. *Calliostoma annulatum* Mart[yn], Schmeltz, 1877[VI]: 90. *Nomen nudum*.
NOTE: Martyn’s name is not available. = *Calliostoma annulatum* [Lightfoot, 1786].
14207. *Strigatella zebra* Garr[ett], Schmeltz, 1877[VI]: 1054. *Nomen nudum*.
NOTE: No description of this species by Garrett has been located. It is more probably an error for *Mitra zebra* Lamarck, 1811 than for *Mitra zebrina* Garrett, 1873, which is a species of *Vexillum*.
14241. *Polia lineata* Garr[ett], Schmeltz, 1877[VI]: 106. *Nomen nudum*.
NOTE: No description of this species has been located.
14248. *Trivia scabriuscula* Garr[ett], Schmeltz, 1877[VI]: 107. *Nomen nudum*.
NOTE: No description of this species by Garrett has been located. Possibly an error for *Trivia scabriuscula* (Gray, 1827).
14250. *Turbonilla vitiensis* Garr[ett], Schmeltz, 1877[VI]: 104. *Nomen nudum*.
NOTE: Never described by Garrett. Made available as *Turbonilla (Lancella) vitiensis* Pilsbry, 1918 who referenced a Garrett label.
14293. *Fossarus candidus* Garr[ett], Schmeltz, 1877[VI]: 90. *Nomen nudum*.
NOTE: No description of this species has been located.
14297. *Cyclostrema lyricincta* Garr[ett], Schmeltz, 1877[VI]: 107. *Nomen nudum*.
NOTE: No description of this species has been located.
14317. *Ninella staminea* Martyn, Schmeltz, 1877[VI]: 107. *Nomen nudum*.
NOTE: Martyn’s name is not available. = *Turbo torquata* Gmelin, 1791.
14462. *Onchidium Dämeli* [sic; = *daemeli*] Semp[er], Schmeltz, 1879[VII]: 86. *Nomen nudum*.
NOTE: = *Onchidium daemeli* Semper, 1882.
14464. *Onchidium ambiguum* Semp[er], Schmeltz, 1879[VII]: 86. *Nomen nudum*.
NOTE: = *Onchidium ambiguum* Semper, 1880.
14737. *Melania expressa* Mss. [= Mousson], Schmeltz, 1879[VII]: 87. *Nomen nudum*.

NOTE: Never described by Mousson. His *M. expressa* was included in the synonymy of *M. kubaryi* Brot, 1886 when that species was described.

14738. *Melania kubaryi* Mss. [= Mousson], Schmeltz, 1879[VII]: 87. *Nomen nudum*.

NOTE: Never described by Mousson. Name made available as *Melania kubaryi* Brot, 1886.

14741. *Melania dextroversa* Mss. [= Mousson], Schmeltz, 1879[VII]: 87. *Nomen nudum*.

NOTE: No description of this species has been located.

14743. *Neritella (Neritina) multisulcata* Semp[er], Schmeltz, 1879[VII]: 88. *Nomen nudum*.

NOTE: No description of this species has been located.

14744. *Neritella australis* Ch[emnitz], Schmeltz, 1879[VII]: 88. *Nomen nudum*.

NOTE: Chemnitz's name is not available. ?= *Neritina brevispina* Lamarck, 1822.

14746. *Neritella pervariabilis* Mss. [= Mousson], Schmeltz, 1879[VII]: 88. *Nomen nudum*.

NOTE: No description of this species has been located.

14756. *Melampus pelewanus* Mss. [= Mousson] n. sp.?, Schmeltz, 1879[VII]: 86. *Nomen nudum*.

NOTE: No description of this species has been located.

14775. *Pupina subplicata* Mss. [= Mousson], Schmeltz, 1879[VII]: 86. *Nomen nudum*.

NOTE: No description of this species has been located.

14776. *Pupina aperta* Mss. [= Mousson], Schmeltz, 1879[VII]: 86. *Nomen nudum*.

NOTE: No description of this species has been located.

14780. *Optediceras* [sic; = -eros] *societatis* Mss. [= Mousson] (sp. nov.?), Schmeltz, 1879[VII]: 87. *Nomen nudum*.

NOTE: No description of this species has been located. Thiele (1927: 129) described *Paludinella semperi* n. sp. based on material collected by Semper on Palau and by Finsch on Jaluit, and on page 130 he added [translated]: "Two Huahine shells from the Museum Godeffroy, which had been labelled with the name *Optediceros societatis* Mss, belong to *P. semperi*; the species had not yet been named."

14785. *Partula formosa* Pse. [= Pease], Schmeltz, 1879[VII]: 85. *Nomen nudum*.

NOTE: Never described by Pease. = *Partula formosa* Garrett, 1884: 60, (ex. Pease MS.).

14801. *Zonites porcatus* Mss. [= Mousson], Schmeltz, 1879[VII]: 85, with "*Z. schmeltziana* Garr. Msc." in synonymy. *Nomen nudum*.

NOTE: No description of this species by Mousson has been located. *Zonites schmeltziana* Garrett, 1887 was introduced with no mention of any other name or the Museum Godeffroy.

14807. *Melampus pallidulus* Mss. [= Mousson], Schmeltz, 1879[VII]: 84. *Nomen nudum*.

NOTE: No description of this species has been located.

14820. *Pythia infidelis* Mss. [= Mousson], Schmeltz, 1879[VII]: 84. *Nomen nudum*.

NOTE: No description of this species has been located.

15295. *Onchidium reticulatum* Semp[er], Schmeltz, 1879[VII]: 86. *Nomen nudum*.

NOTE: = *Onchidium reticulatum* Semper, 1882.

Molluscan taxa and nomina nuda in the Journal des Museum Godeffroy (JMG)

The majority of new molluscan taxa were introduced by Bergh in a four-part series on the nudibranchs of the South Sea. It must be noted that Bergh kept listing his taxa as "n. sp." often long after they had been formally described in these and other publications. An additional complication is caused by the fact that Bergh near-simultaneously published on the same taxa in another complex multi-year publication series edited by Carl Gottfried Semper (1867–1916) as "Reisen im Archipel der Philippinen"; Bergh's series therein was likewise called "Malacologische Untersuchungen" (e.g., Bergh 1870–1878). His cross references among these and other contemporary publications were not always correct, and priority issues are at times difficult to disentangle. As will be shown below, the first three parts of Bergh's nudibranch treatment in the *Journal* were published in 1873, 1874, and 1875, respectively. He expected the fourth part, with a treatment of *Chromodoris*, to appear in 1876 and often referred to that work as if it were already published in his other works of that time (e.g., 1876; 1877a). However, publication of that frequently referenced article was delayed until JMG Heft 14, in 1879.

For example, Bergh (1879a: 3) considered *Goniodoris picturata* Mörch, 1863 preoccupied by *Pterodoris picturata* Ehrenberg, 1831 and introduced a replacement name, *Chromodoris moerchii* [as *mörchi*] for it. However, Bergh had taken this step previously in the *Jahrbücher* (1877a: 56). In that article, he referred to his "earlier" action in this matter, stated to be in the "Journ. d. Mus. Godeffroy. Heft XII. 1877" (the issue that ultimately appeared in Heft XIV in 1879). The list of molluscan taxa introduced in the *Journal* (see below) investigates such priority issues.

Taxa still incorrectly listed as “n. sp.” after they had already been described, and taxa introduced by other authors incorrectly annotated with Bergh’s name are not listed herein.

The following lists those molluscan names that were first made available in the *Journal*, as well as those that were indicated as new descriptions but had in fact been published elsewhere. **Bold face font** indicates the original binomen and author/date combination when first made available. Text and figure references to that taxon in the JMG are given, with the alternate number in the dual pagination scheme in [brackets]. When provided in the original, the original local and collector (often Garrett or Graeffe) are also stated. Because of the complexities involving near-simultaneously published and previously ill-dated works, additional commentary is made.

“*Asteronotus mabilla* Bergh”—described as such by Bergh (1878b: 627, 644, 645), and Bergh 1879a (JMG, 5(14): 50, pl. 5, figs. 19–23), the former citing Bergh (1877b; no description therein) and an anatomically “wrong” description of this species by Abraham (1877: 249). First described as ***Doris mabilla* Abraham, 1877** (1877: 249, pl. 28, figs. 1–4); Abraham had adopted Bergh’s manuscript name from label information at the British Museum. Considered valid by Sachidhanandam *et al.* (2000: 524) as “*Asteronotus mabila* [sic] Bergh, 1878 (apparently no published figure exists)”, but treated as a synonym of *Asteronotus cespitosus* (van Hasselt, 1824) by others (McDonald, 2009: 356).

***Cerberilla* Bergh, 1873**, as “n. gen.”; JMG 1(2) 1873a: 160 [88]. Type species by monotypy, *Cerberilla longicirrha* Bergh, 1873.

***Cerberilla longicirrha* Bergh, 1873**, as “n. sp.”; JMG 1(2) 1873a: 161–164 [88–92], pl. 11, fig. 27; pl. 12, figs. 6–16. Upolu, Samoa (Graeffe, coll.).—JMG 3(6) 1874c: 115, pl. 3, figs. 1–3.

***Chromodoris (Goniodoris) albolineata* [as *albo-lineata*] Bergh, 1879**, as of “v. Martens in sched.” JMG 5(14) 1879a: 5. Based on specimens in the Berlin Museum. Rudman (1982: 196) placed in synonymy of *Chromodoris lineolata* (van Hasselt, 1824).

***Chromodoris albonotata* [as *albo-notata*] Bergh, 1875**, as “n. sp.”; JMG 3(8) 1875b: 208 [76], 227, pl. 7, fig. 1.—JMG, 5(14) 1879a: 5, 6, 48, pl. 3, figs. 15–17. Tahiti (Garrett, coll.). Accepted as valid species by Rudman (1986a: 165).

Chromodoris annae Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 205 [73]; *nomen nudum*. With footnote on page 205 [73] stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris annae* Bergh, 1877** (1877c: 473, 474, pl. 51, figs. 11–23). Accepted as valid species by Rudman (1982: 210).

Chromodoris calensis Bergh, 1879, as “n. sp.”; JMG, 5(14) 1879a: 3; *nomen nudum*. With footnote on p. 3 stating that this species will be published in Bergh’s “nudibranchiate Gastreaepoda [sic] of the North Pacific”, as part of Dall’s Exploration of Alaska. Described as ***Chromodoris californiensis* Bergh, 1879** (Bergh, 1879c, d), but shown as *Chromodoris calensis* on pl. 14 [6] (1880a), figs. 5–15). Bergh (1880a: 274, under “Errata for Part I”) stated “The specific name *Californiensis* (*Chromodoris*) was substituted in the printed text for *Calensis*, which appeared on the plate and in the manuscript under the idea that the latter was intended merely as an abbreviation”. Bertsch & Burn (1979: 255) petitioned the I.C.Z.N. “to place the specific name *californiensis* Bergh, 1879, as published in the binomen *Chromodoris californiensis*, on the Official List of Specific Names in Zoology”. I.C.Z.N. (1983) Opinion 1253 rejected *C. glauca* Bergh, 1879 (1879b) and gave preference to, and placed on the Official List, *Chromodoris californiensis* Bergh, 1879 (1879c). *Chromodoris calensis* was not discussed.

***Chromodoris camoena* Bergh, 1879**, as “n. sp.”; JMG 5(14) 1879a: 2, 17, 18, 49, pl. 4, figs. 24–29. Tonga (Graeffe, coll.). McDonald (1990: 150) placed in *Glossodoris*.

***Chromodoris cantrainii* Bergh, 1879**; JMG 5(14) 1879a: 2. Listed with two references to “*Goniodoris elegans*, Cantr[aine]” in synonymy. Although not stated as such, Bergh apparently introduced a new name to replace *Doris*

elegans Cantraine, 1835, the latter preoccupied by *Doris elegans* Quoy & Gaimard, 1832. Placed as *Chromodoris cantrainei* [sic] Bergh, 1879 in synonymy of *Hypselodoris picta* (Schultz in Philippi, 1836) by Ortea et al. (1996: 43).

***Chromodoris? citrina* Bergh, 1874**, as “n. sp.”; JMG 3(6) 1874c: 113, pl. 1, figs. 14–17. JMG 3(8) 1875b: 210 [78]. A species different from *Notodoris citrina* Bergh, 1875 according to footnote in Bergh (1875b), JMG 3(8): 196 [64]. Only known from original illustration. Rudman (1986c: 384) compared to *Noumea crocea* Rudman, 1986, from which it differs in coloration. McDonald (2009: 151) placed in *Glossodoris*.

Chromodoris dalli Bergh, 1879, as “n. sp.”; JMG, 5(14) 1879a: 3; *nomen nudum*. Footnote on p. 3 states that this species will be published in Bergh’s “nudibranchiate Gastreaepoda [sic] of the North Pacific”, as part of Dall’s Exploration of Alaska. Described as ***Chromodoris dalli* Bergh, 1879** (1879c: 109–112, pl. 13 [5] (1880a), figs. 1–7 [8–14]; pl. 14 (1880a), figs. 1–4; apparently simultaneously with an identical description in Bergh (1879d). Placed in *Glossodoris* by Rudman (1984: 156; 1986c: 180).

Chromodoris elisabethina Bergh, 1875, as “n. sp.”; JMG 3(8): 205 [73]; *nomen nudum*. With footnote in Bergh (1875: 205 [73]) stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris elisabethina* Bergh, 1877** (1877c: 466–473, pl. 51, figs. 6–15; pl. 53, fig. 28). Bergh (1877a: 75) stated “*D[oris] sponsa* E[hrenberg, 1831] = *Chromodoris elisabethina*, Bgh.” Accepted as valid species by Rudman (1982: 205).

***Chromodoris gloriosa* Bergh, 1874**, as “n. sp.”; JMG 3(6) 1874c: 113, pl. 1, figs. 6–9.—JMG 3(8) 1875b: 205 [73], 211–213 [79–81], 229 [97], 230 [98], pl. 9, figs. 19–31. Tahiti (Garrett, coll.). Synonymized under *Noumea varians* (Pease, 1871) by Rudman (1986b: 316).

***Chromodoris godeffroyana* “Garrett” Bergh, 1877** (1877c: 485, 493, with “*Goniobranchus godeffroyana*, Garr. Journ. D. Mus. Godeffroy. Heft XIV, 1877 [error for 1879] Taf. 1, Fig. 1–4” in synonymy, the latter a MS name supplied by Garrett together with notes and field illustrations. Full description, as “n. sp.” by Bergh (1879a), JMG 5(14): 12–14, 46, 49, pl. 1, figs. 1–4; pl. 4, figs. 2–11, Huahine, Society Islands (Garrett, coll.). Placed as *Risbecia godeffroyana* ([Garrett MS] Bergh, 1877) by Rudman (1987: 373).

Chromodoris histrio Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 205 [73]; *nomen nudum*. With footnote by Bergh (1875b: 205 [73]) stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris histrio* Bergh, 1877** (1877c: 493). Full description in Bergh (1879a), JMG, 5(14): 8, 9, 46, 48, pl. 1, figs. 9–12; pl. 3, figs. 10–14. Tahiti (Garrett, coll.). Placed in synonymy of *Chromodoris rufomaculata* Pease, 1871 by Rudman (1987: 352).

***Chromodoris lapinigensis* Bergh, 1879**, as “n. sp.”; JMG 5(14) 1879a: 3, 18, 19, 49, pl. 4, figs. 30–34. Lapinig, Philippines (Semper, coll.). Treated as *Glossodoris* by McDonald (2009: 160).

***Chromodoris luxuriosa* Bergh, 1875**, as “n. sp.”; JMG 3(8): 205 [73], 227 [95], pl. 7, fig. 2.—JMG 5(14) 1879a: 7, 8, 48, pl. 3, figs. 2–9. Tahiti; Gilbert Islands (Garrett, coll.). Synonymized under *Durvilledoris lemniscata* (Quoy & Gaimard, 1832) by Rudman (1984: 292).

***Chromodoris moerchii* Bergh, 1877** (1877a): 56. *Nomen novum* for *Goniodoris picturata* Mörch, 1863, non *Pterodoris picturata* Ehrenberg, 1831, which Bergh both considered to be species of *Chromodoris*.—JMG 5(14) 1879a: 1, 3, 4.—JMG 5(14) 1879a: 47, 48 (as *mörchii*). Note: Bergh (1877a: 56) referred to JMG Heft 12 of 1877 as containing the introduction of the new name. Publication of that part was delayed until Heft 14 in 1879. Treated as member of *Glossodoris* and misspelled as “moerchi” or “morchii” in subsequent literature.

***Chromodoris pallescens* Bergh, 1875**, as “n. sp.”; JMG, 3(8) 1875b: 213–214 [81–82], 227 [95], 229 [97], pl. 7, figs. 4 (multiple); pl. 9, figs. 11–18. Tahiti (Garrett, coll.).—JMG, 5(14) 1879a: 2. Considered a synonym of *Chromodoris aspersa* (Gould, 1852) by Rudman (1983: 145).

Chromodoris pantharella Bergh, 1879, as “n. sp.”; JMG 5(14) 1879a: 3; *nomen nudum*. Described as ***Chromodoris pantharella* Bergh, 1879** (1879b): 94–98, 114, 115, pl. 3 [*sic*], figs. 12–25). Considered valid by Sachidhanandam *et al.* (2000: 520).

Chromodoris paupera Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 207 [75]; *nomen nudum*. With footnote on page 205 [73] stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris paupera* Bergh, 1877** (1877c: 484–486, pl. 53, figs. 15–27). Treated as *Glossodoris* by McDonald (2009: 165).

***Chromodoris? pusilla* Bergh, 1874**, as “n. sp.”; JMG 3(6) 1874c: 113, pl. 1, fig. 18.—3(8) 1875b: 209 [77]. Treated as *Durvilledoris pusilla* (Bergh, 1874) by Rudman (1986b: 324; 1990: 287).

Chromodoris pustulans Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 207 [75]; *nomen nudum*. With footnote on page 205 [73] stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris pustulans* Bergh, 1877** (1877c: 488–490, pl. 54, figs. 13–20). Cebu, Philippines (Semper, coll.). Treated as *Glossodoris* by McDonald (2009: 167).

Chromodoris runcinata Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 207 [75]; *nomen nudum*. With footnote on page 205 [73] stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris runcinata* Bergh, 1877** (1877c: 479–481, pl. 51, figs. 32, 33; pl. 53, figs. 5–12). Considered a synonym of *Hypselodoris infucata* (Rüppell & Leuckart, 1830) by Johnson & Valdés (2001: 1374).

***Chromodoris scurra* Bergh, 1874**. Named as as “n. sp.” and illustrated in JMG 3(6) 1874c: 113, pl. 1, figs. 10–13; but previously introduced by Bergh (1874b: pl. 33, fig. 3 and caption).—JMG 3(8) 1875b: 205 [73], 210–211 [78–79], 229 [97], pl. 9, figs. 5–10. Tahiti (Garrett, coll.).—JMG 5(14) 1879a: 1. Synonymized under *Durvilledoris lemniscata* (Quoy & Gaimard, 1832) by Rudman (1984: 292).

Chromodoris semperi Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 207 [75]; *nomen nudum*. With footnote on page 205 [73] stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris semperi* Bergh, 1877** (1877c: 482–484, pl. 52, figs. 1, 2; pl. 53, figs. 13, 14; pl. 55, figs. 2–7). Considered a synonym of *Hypselodoris infucata* (Rüppell & Leuckart, 1830) by Johnson & Valdés (2001: 1374).

Chromodoris striatella Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 205 [73]; *nomen nudum*. The species was described as *Chromodoris lineolata* Bergh, 1874 (1874b: plate 33, fig. 4 and caption) and formally renamed ***Chromodoris striatella* Bergh, 1877** by Bergh (1877c: 474) who considered it preoccupied by *Doris lineolata* van Hasselt, 1824. Accepted as a valid species by Rudman (1982: 200).

***Chromodoris thalassopora* Bergh, 1879**, as “n. sp.”; JMG 5(14) 1879a: 2, 19–21, 50, pl. 4, figs. 35–40; pl. 5, figs. 1, 2. Japanese Sea (Museum Copenhagen). Listed in Bergh (1877c: 466; *nomen nudum*).

Chromodoris virginea Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 207 [75]; *nomen nudum*. With footnote on page 205 [73] stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Chromodoris virginea* Bergh, 1877** (1877c: 486–488, pl. 33 [1874; not named thereon], fig. 10; pl. 54, figs. 5–12).

***Cyerce nigra* [“Semper” Bergh, 1871] var. *ocellata* Bergh, 1873**; JMG 1(2) 1873a: 155–158 [83–86], 165 [93], 166 [94], pl. 9, figs. 8, 9; pl. 10, fig. 26; pl. 11, figs. 13–26 [labeled as *Elysia nigropunctata* on plate caption]; pl. 12, figs. 2, 3. Samoa (Graeffe, coll.).

***Doriopsis affinis* Bergh, 1875**, as “n. sp.”; JMG 3(8) 1875b: 216 [84], 225–227 [93–95], 231 [99], pl. 7, figs. 6 (multiple), pl. 10, figs. 22, 23; pl. 11, fig. 2. Tahiti (Garrett, coll.).

Doriopsis gibbulosa Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 218 [86]; *nomen nudum*. With footnote by Bergh (1875b: 216 [84]) stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Doriopsis gibbulosa* Bergh, 1879**; JMG 5(14) 1879a: 27–29. New Caledonia (Copenhagen Museum).

***Doriopsis herpetica* Bergh, 1879**, as “n. sp.”; JMG 5(14) 1879a: 40, 41, 46, pl. 1, figs. 13–16. Gilbert Islands (Garrett, coll.). Bergh stated this to be a likely synonym of *Doris compta* Pease, 1872.

***Doriopsis maculigera* Bergh, 1875**, as “n. sp.”; JMG 3(8) 1875b: 218 [86], 228 [96], pl. 8, fig. 33.—JMG 5(14) 1879a: 34, 35. Aibukit, Philippines (Semper, coll.).

Doriopsis modesta Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 218 [86]; *nomen nudum*. With footnote by Bergh (1875b: 216 [84]) stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Made available as ***Doriopsis modesta* Bergh, 1877** (1877d: 519, 534–536, pl. 54 (1877c), figs. 21–25; pl. 55 (1877c), figs. 17–19). Masinloc, Philippines (Semper, coll.). Again described as “n. sp.” by Bergh 1879a; JMG 5(14): 22, 31, 32, citing Bergh (1876: 386) in synonymy, but a *nomen nudum* therein. Treated as of 1876 by McDonald (2009: 422) who synonymized under *Dendrodoris cuprea* Ehrenberg, 1877, a nominal species that Bergh (1879a: 31) had tentatively cited in synonymy.

“*Doriopsis nebulosa* Bergh, 1875”; JMG 3(8) 1875b: 227 [95], 232 [100], pl. 7, figs. 5 (multiple); pl. 11, fig. 24. Changed to *Doriopsis nebulosa* (Pease, 1860) by Bergh 1879a; JMG 5(14): 23, 24. *Hexabanchus nebulosus* Pease, 1860 was considered a synonym of *Dendrodoris nigra* (Stimpson, 1855) by Brodie *et al.* (1997: 408).

Doriopsis nicobarica Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 218 [86]; *nomen nudum*. With footnote on page 216 [84] stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Doriopsis nicobarica* Bergh, 1879**; JMG 5(14) 1879a: 25–27, 47, pl. 2, figs. 8–12. Nicobares (Reinhardt, coll.).

Doriopsis pellucida Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 218 [86]; *nomen nudum*. With footnote by Bergh (1875: 216 [84]) stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. Described as ***Doriopsis pellucida* Bergh, 1879**; JMG 5(14) 1879a: 32, 33, citing Bergh (1876: 386) in synonymy, but a *nomen nudum* therein. Zamboanga, Philippines (Semper, coll.).

Doriopsis pudibunda Bergh, 1875, as “n. sp.”; JMG 3(8) 1875b: 218 [86]; *nomen nudum*. With footnote by Bergh (1875: 216 [84]) stating that new species not formally described in the remainder of the article will be introduced in a later part of the *Journal* or in Heft 10 of Bergh’s *Malacologische Untersuchungen in Semper’s ‘Reisen’*. The species was described as ***Doriopsis pudibunda* Bergh, 1879**; JMG 5(14) 1879a: 33, 34, citing Bergh (1876: 387) in synonymy, but a *nomen nudum* therein. Philippines (Semper, coll.).

***Doriopsis semperi* Bergh, 1875**, as “n. sp.”; JMG 3(8) 1875b: 218 [86], 228 [96], pl. 8, fig. 31.—JMG 5(14) 1879a: 29–31. Cebu, Philippines (Semper, coll.). Predates treatment by Bergh (1876: 386).

***Doriopsis spiculata* Bergh, 1876.** The full description, as “n. sp.”, appeared in JMG 5(14) 1879a: 37, 38, 47, pl. 2, figs. 13–15. However, Bergh (1876: 387) had listed the name and given a minimal description by mentioning that the taxon differs in “its richness of the dorsal skin on the spicules” [our translation], which qualifies under ICZN rules as meeting requirements of a description.

***Doriopsis tristis* Bergh, 1874.** Shown as “n. sp.” with full description in Bergh (1875b), JMG 3(8): 216 [84], 223–225 [91–93], 231 [99], 232 [100], pl. 11, figs. 3–7; but previously introduced by Bergh (1874b: pl. 33, fig. 9 and caption). Camigiun, Philippines; Palau (Semper, coll.).—JMG, 5(14) 1879a: 47, pl. 2, fig. 17.

***Doridopsis vidua* Bergh, 1879,** as “n. sp.”; JMG 5(14) 1879a: 35, 36, 46, 47, pl. 1, figs. 17–20; pl. 2, fig. 16. Tahiti (Garrett, coll.).

***Doris* “(Gen.?)” *punctulifera* Bergh, 1874,** as “n. sp.”; JMG 3(6) 1874c: 113, pl. 1, figs. 19–20.—*Chromodoris*? *punctulifera*—JMG 3(8) 1875b: 209 [77]. Considered a probable synonym of *Chromodoris aspersa* (Gould, 1852) by Rudman (1983: 145).

***Doris schmeltziana* “Garrett” Bergh, 1875;** JMG 3(8) 1875b: 228 [96], pl. 8, figs. 34–37. Bergh (1877a: 61) listed it as “*Discodoris (Dendrodoris) schmeltziana* (Garr.) n. sp.” and Bergh (1877d: 519) as “*Discodoris schmeltziana* (Garr.) n. sp.”, the latter with a footnote that the actual description would follow in a future number of JMG, where Bergh published it as *Discodoris schmeltziana* “(Garrett)”; JMG 5(14) 1879a: 50, pl. 5, figs. 9–15. The 1875 introduction seems to have been overlooked. Rudman (2005: 1) stated: “Although published as a name in a list in Bergh, 1877, *Discodoris schmeltziana* was not properly described until 1880.” Listed as of Garrett by Bergh, this name must be attributed to Bergh (1875).

***Doris* “(N. g.?)” *tessellata* Bergh, 1879;** JMG 5(14) 1879a: 50, pl. 5, figs. 16–18. A more detailed description, as *Dictyodoris tessallata* Bergh “n. sp.”, was provided by Bergh (1880b: 75–78, pl. C, figs. 11, 12; pl. F, figs. 22, 23).

***Echinodoris* Bergh, 1874,** as “n. gen.”; JMG 3(6) 1874c: 109. Type species by monotypy, *Doris eolida* Quoy & Gaimard, 1832. Rudman (1985: 9) pointed out that Bergh misidentified the type species and refers most probably to *Cadlinella hirsuta* Rudman, 1995. Rudman stated that he was submitting to the I.C.Z.N. a proposal “that *Echinodoris* should be treated as a junior objective synonym of *Ceratodoris* [Gray, 1850; also with *Doris eolida* as its type], and in the interests of nomenclatural stability not be considered available to replace *Cadlinella*”. He also planned to request “that both *Echinodoris* and *Ceratodoris* ... be suppressed” in favor of another name (1985: 9). We have not located such an I.C.Z.N. proposal or resulting decisions. This matter could also be resolved by specialists by applying options in I.C.Z.N. (1999) Art. 70.3.1.

***Miamira* Bergh, 1874.** Shown as “Nov. Gen.” in JMG 3(6) 1874c: 113; but previously introduced by Bergh (1874b: caption to pl. 33). Type species by monotypy, *Miamira nobilis* Bergh, 1874.—JMG, 3(8) 1875b: 185 [53]. Valdés & Gosliner (1999) synonymized under *Ceratosoma* Gray, 1850.

***Miamira nobilis* Bergh, 1874.** Shown as “Nov. Sp.” in JMG 3(6) 1874c: 113, 116, pl. 1, fig. 5; pl. 4, figs. 29–33; but previously introduced by Bergh (1874b: pl. 33, fig. 2 and caption).—JMG 3(8) 1875b: 185–195 [53–63], 227–229 [95–97], pl. 8, figs. 1–30, pl. 9, figs. 1–4. Masinloc, Philippines (Semper, coll.), Albay, Philippines (Jagor, coll.), Upolo, Samoa (Graeffe, coll.). Valdés & Gosliner (1999: 34) synonymized *Miamira nobilis* Bergh, 1875 under *Ceratosoma sinuata* (van Hasselt, 1824).

***Notodoris* Bergh, 1875,** as “Nov. Gen.”; JMG 3(8) 1875b: 196 [64]. Type species by monotypy, *Notodoris citrina* Bergh, 1875. Synonymized under *Aegires* Lovén, 1844 by Fahey & Gosliner (2004: 618).

***Notodoris citrina* Bergh, 1875,** as “n. sp.”; JMG 3(8) 1875b: 196–199 [64–67], 230 [98], pl. 9, figs. 32–45, pl. 10, figs. 1–8. Type species of *Notodoris*. A species different from *Chromodoris citrina* Bergh, 1874 according to footnote on p. 196. Accepted as *Aegiris citrinus* (Bergh, 1875) by Fahey & Gosliner (2004: 663).

***Orodonis* Bergh, 1875**, as “Nov. Gen.”; JMG 3(8) 1875b: 199 [67]. Type species by monotypy, *Orodonis miamirana* Bergh, 1875. Valdés & Gosliner (1999) synonymized under *Ceratosoma* Gray, 1850.

***Orodonis miamirana* Bergh, 1875**, as “n. sp.”; JMG 3(8) 1875b: 199–203 [67–71], 227 [95], 231 [99], pl. 7, figs. 3 (multiple), pl. 10, figs. 9–20. Tahiti (Garrett, coll.). Recognized by Valdés & Gosliner (1999: 37) as *Ceratosoma miamirana* (Bergh, 1875).

***Phestilla* Bergh, 1874**, as “Nov. Gen.”; JMG 3(6) 1874c: 91, 114. Type species by original designation (I.C.Z.N. 1999 Art. 68.2.1.), *Phestilla melanobrachia* Bergh, 1874.

***Phestilla melanobrachia* Bergh, 1874**, as “n. sp.”; JMG 3(6) 1874c: 91–95, 114, pl. 2, figs. 1–14. Philippines (Semper, coll.).

***Phyllidia loricata* Bergh, 1873**, as “n. sp.”; JMG 1(2) 1873a: 138 [66], 144–147 [72–75]. Tahiti (Garrett, coll.). Accepted as valid species *Phyllidiopsis loricata* (Bergh, 1873) by Brunckhorst (1993: 68).

***Phyllidia rosans* Bergh, 1873**, as “n. sp.”; JMG 1(2) 1873a: 138 [66], 139–144 [67–72], 165 [93], 166 [94], pl. 9, figs. 1–4; pl. 10, figs. 1–18. Tahiti (Garrett, coll.). Misspelled as *P. “rosacea”* in the *Zoological Record* (Martens 1875: 153). Accepted as valid species *Phyllidiopsis rosans* (Bergh, 1873) by Brunckhorst (1993: 56).

***Plakobranchus chlorophacus* Bergh, 1873**, as “n. sp.”; JMG 1(2) 1873a: 148–151 [76–79], 165–167 [93–95], pl. 9, figs. 5, 6; pl. 10, figs. 22–25; pl. 11, figs. 3–6. Huahine, Society Islands (Garrett, coll.).

***Vaginulus australis* Heynemann, 1876**, as “n. sp.”; JMG 5(12): 159. Queensland, Australia (Dämel, coll.). Now placed in genus *Atopos*, Rathouisiidae.

Patronyms for collectors and other museum personnel

Most of the Museum-Godeffroy contributors and other personnel were honored in patronyms by the describers of new taxa from the museum collections. Some 35 new animal and plant names were introduced for Godeffroy alone (Scheps, 2005: 59). Among molluscan taxa, we find names such as *Diplommatina godeffroyana* Mousson, 1870; *Neritina godeffroyana* Mousson, 1869; *Pecten schmeltzii* Kobelt in Küster & Kobelt, 1888; *Navicella schmeltziana* Mousson, 1870; *Nanina schmeltziana* Mousson, 1865; *Melania lutos* Gould var. *graeffei* Mousson, 1869; *Patula graeffei* Mousson, 1869; *Phasianella graeffei* Dunker, 1871; *Onchidium daemeli* Semper, 1882; and *Melania kubaryi* Brot, 1886; all first appearing as *nomina nuda* in the Catalog series (see numbers 1116a, 1356a, 1767, 3200, 3213, 3233, 6590, 6622, 14462, 14738). Other such *nomina nuda* intended to honor persons affiliated with the museum were apparently never validated (e.g., numbers 1328, 1833a, 3315, 3334, 6308, 9370).

Type specimens from the Godeffroy collection

As detailed as the published Catalogs are, they do not reflect the full scale and diversity of the Godeffroy museum holdings. They merely are lists of the “duplicates” (one of the three parts of the Godeffroy collection), representing extra specimens of large original series or subsequently recollected material deemed unnecessary for the formed scientific and display collections of the museum. While they certainly can be useful in reconstructing potential type series of nominal species based on “Godeffroy” material and present the only published link to species numbers used in the organization of the collections, the specimens originally included in the two formal collections and any series potentially retained by the describing specialists also need to be considered. No comprehensive effort has been made to locate all type specimens, but individual searches for types based on specimens in the Museum Godeffroy have been reported. Ladiges (1958) described the successful search for type specimens of fishes in the Hamburg Museum collection, a quest aided by the existence of original labels and notation of collection numbers, but complicated by the fact that not all zoological collections had been transferred to the Museum, that type specimens were not specifically marked, and that the wet-preserved specimens had been lost due to deterioration in

the insufficiently sealing glass-stoppered containers (and, to a lesser part, due to post-war alcohol theft). Most importantly, all of the museum's accession catalogs were destroyed in 1943. Each taxon description will thus have to be evaluated individually to ascertain the identity of types and their current location. This task is further complicated by the facts that the sequential sales catalogs combine and restock specimens from various locales and collecting events under the same number, and that specimens with manuscript names were widely traded, directly or via third parties, often before their formal description appeared in print. Numerous museum collections around the world contain such "ex Museum Godeffroy" specimens and various *nomina nuda* and incorrectly assigned authors on their labels have found their way into published listings (e.g., Nevill 1884).

TAXA NOTES

1. Mousson wrote a series of papers on material from Graeffe, four of which (1869, 1870a, 1870b, 1871) were devoted to specific island groups. His 1869 paper, as shown in the title was devoted to mollusks of Samoa. Mousson (1869: 369) listed the species name *Melania subexusta* Mousson, under which he then listed "Var. *persulcata* Mousson" giving its locality as "Hab. Upolu."

Mousson described this variety, referring to it as "this species, which belongs to the fauna of the Viti islands whose diagnosis will be published in a forthcoming report devoted to the species of this archipelago, is found in Upolu, represented by some individuals". In short, Mousson stated that a species of *Melania* from Fiji, which was to be described later, had a subspecies on Samoa which he described as *M. persulcata* Mousson, 1869. This action makes *M. persulcata* the nominotypical species.

Mousson (1870b) finally described *Melania subexusta* from Ovalau [Fiji] with two subspecies, *M. persulcata* and *M. albizonata* Mousson, 1870. In the 1870 description of *persulcata* no mention is made of the earlier introduction of the name and there is no mention of Samoa, the only localities given being "Mango et Ovalau". The 1869 and 1870b descriptions are somewhat different and it will be left to *Melania* specialists to determine the status of these nomina. In any event, *M. persulcata* cannot be subordinate to *M. subexusta*.

2. The name *plumescens* was never used as a species name in *Modiola* or *Perna* by Dunker. Clessin (1888: 129, pl. 33, figs. 8–9) described *Modiola tumescens*, attributing it to "Dunker in schedis." Lyngé (1909: 131, pl. 2, figs. 13–14) listed and figured "*Modiola plumescens* Dunk[er]". Lyngé's reference for Dunker was "Museum Godeffroy, Catalog IV, 1868, p. 115" and he listed "*Modiola tumescens* Dunker (Clessin)" as a synonym. In the text Lyngé stated that Clessin incorrectly used the name *tumescens* but there is no evidence for that statement as Clessin referenced only "Dunker in schedis." The error may well have been in Catalog IV. The most recent treatment of this species is by Huber (2010: 123) as "*Modiolus plumescens* (Dunker, 1868)" which should have read *Modiolus tumescens* (Clessin, 1888).

3. The genus group name *Isselia* first appeared in Schmeltz, 1874[V]: 104, 110. In a footnote on page 104 he wrote [translated] "the changes of names of the remaining rissoines marked by *) is based on communications from Mr. O. Semper in Altona." In the same footnote it is stated that *Rissoina mirabilis* Dkr. [= Dunker] is the type of a new genus *Isselia*. As *R. mirabilis* Dunker is a *nomen nudum*, *Isselia* is invalid. It was treated by Weinkauff (1881: 67) who evidently recognized that *Isselia* had been validly used for a different genus since 1874 when he described *Rissoina (Isseliella) mirabilis*, attributing it to Dunker. For a modern treatment see Ponder (1985: 95).

4. The name *Nanina subcercula* first appeared as a *nomen nudum* in Schmeltz, 1874[V]: 91. No record of its use by Mousson has been located. It next appeared when its dentition was figured as *Nanina subcircular* [sic] Mousson by Binney (1875: 248, pl. 20, fig. 1). Garrett (1881: 362) treated *Microcystis subcercula* Mousson with reference to Schmeltz and Binney (also with a citation by Pfeiffer that is a 'name only' listing). Garrett stated that he supposed the species had not been described and gave a description, attributing the name to Mousson. Binney's use was included with a query in the synonymy of *Hiona scalpta* Garrett, 1884, a placement also used by Baker (1940: 172).

The most recent mention of the name located is in Brook (2010: 251) who cited it as *Lamprocystis (Avarua) subcercula* (Garrett, 1881). Both Brook and Baker (1938: 74; 1940: 172) declared that Binney's "radula figures

are not accurate enough for the identification of any species.” It is left to specialists to determine the status of ANSP specimen lot 74330, which consists of 7 dry and 17 alcohol-preserved specimens. The alcohol specimens are separately numbered as A8091A. Brook did not mention the latter number although the former is included under *Lamprocystis* (*Avarua*) *subcirculara* (Garrett, 1881) as “material”. The status of Binney’s *Nanina subcirculara* is outside the scope of this paper and must also be left to specialists.

Summary of new taxa

Molluscan taxa dating from the Museum Godeffroy Sales Catalogs:

Garrettia Schmeltz, 1874[V]: 100. Number 8541. Non *Garrettia* Paetel, 1873.

Cerithiopsis angasi Schmeltz, 1874[V]: 108. Number 6882. An unnecessary replacement name, attributed to Semper, for *Cerithiopsis clathratus* Angas, 1871 which was supposedly preoccupied.

Eulima contracta Schmeltz, 1874[V]: 108. Number 8711, attributed to Semper. A replacement name for *Eulima inflexa* Pease, 1868, which was incorrectly considered to be preoccupied.

Columbella (*Anachis*) *dora* Schmeltz, 1874[V]: 126. Number 7215. A replacement name, attributed to Semper, for *C. pumila* Souverbie in Souverbie & Montrouzier. However, it had earlier been replaced by *Columbella regulus* Souverbie in Souverbie & Montrouzier, 1864.

Turricula (*Costellaria*) *emiliae* Schmeltz, 1874[V]: 119. Number 8832. A replacement for *Turricula plicatula* Pease, 1868 non Brocchi, 1814. = *Vexillum emiliae* (Schmeltz, 1874). This appears to be the only name introduced by Schmeltz in the Catalogs that is currently considered valid.

Molluscan names made available from articles in the *Journal des Museum Godeffroy*:

Cerberilla Bergh, 1873

Echinodoris Bergh, 1874

Notodoris Bergh, 1875

Orodoris Bergh, 1875

Phestilla Bergh, 1874

Cerberilla longicirrha Bergh, 1873

Chromodoris (*Goniodoris*) *albolineata* Bergh, 1879

Chromodoris albonotata Bergh, 1875

Chromodoris camoena Bergh, 1879

Chromodoris cantrainii Bergh, 1879

Chromodoris citrina Bergh, 1874

Chromodoris gloriosa Bergh, 1874

Chromodoris lapinigenis Bergh, 1879

Chromodoris luxuriosa Bergh, 1875

Chromodoris pallescens Bergh, 1875

Chromodoris pusilla Bergh, 1874

Chromodoris thalassopora Bergh, 1879

Cyerce nigra var. *ocellata* Bergh, 1873

Doriopsis affinis Bergh, 1875

Doriopsis gibbulosa Bergh, 1879

Doriopsis herpetica Bergh, 1879

Doriopsis maculigera Bergh, 1875

Doriopsis nicobarica Bergh, 1879

Doriopsis pellucidae Bergh, 1879
Doriopsis pudibunda Bergh, 1879
Doriopsis semperi Bergh, 1875
Doridopsis vidua Bergh, 1879
Doris punctulifera Bergh, 1874
Doris schmeltziana Bergh, 1875
Doris tessellata Bergh, 1879
Notodoris citrina Bergh, 1875
Orodonis miamirana Bergh, 1875
Phestilla melanobranchia Bergh, 1874
Phyllidia rosans Bergh, 1873
Phyllidia loricata Bergh, 1873
Plakobranthus chlorophacus Bergh, 1873
Vaginulus australis Heynemann, 1876

It should be noted that the online version of the *Zoological Record* (Thompson Reuters, Accession no. ZOOR01200002053; accessed 16 May 2012) credits Bergh's (1875b) publication with having introduced additional taxa that in fact do not appear in that paper. The discrepancies are based on incorrect abstracting of Eduard von Martens's (1876) article in the printed *Zoological Record* for 1875, in which he referred to Bergh's publications in more than one journal.

Acknowledgments

The project began with an analysis of partial photocopies of Catalogs I–IX obtained by RB from the library of Hamburg's Zoologisches Institut und Museum (ZIM) in the early 1980s. In 2007 Dr. Neal Evenhuis (Bishop Museum, Hawaii) kindly provided REP with copies of the Catalogs used in his own studies, and in 2008 Dr. Petra Sierwald (Field Museum of Natural History, Chicago) obtained the remaining parts from a copy in the entomological collections at ZIM with the help of Dr. Hieronymus Dastych. Dr. Anders Warén (Swedish Museum of Natural History, Stockholm) provided input on the gastropod family Eulimidae, Dr. Gary Rosenberg and Paul Callomon (Academy of Natural History, Philadelphia) helped with various nomina and queries about specimens in the ANSP collection, and Dr. Bernard Hausdorf (ZIM) shared information on the current status of Godeffroy specimens in the molluscan collection of the Zoologisches Museum in Hamburg and also kindly supplied copies of original Godeffroy labels. Permission to use photographs from earlier publications were granted by Dr. Thomas Kaiser (editor, *Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut*) and Ms. Catherine Weisel (Museum of Comparative Zoology). The final phase of the project was supported, in part, by National Science Foundation award DEB-0732854 to RB. BivAToL project illustrator Lisa Kanellos assisted with compilation of the historic illustrations. The work was greatly facilitated by Field Museum's outstanding library resources and various on-line providers, first and foremost among them the Biodiversity Heritage Library (BHL) project. Two reviewers provided constructive input on the initial draft. Special thanks are due to reviewer Neal Evenhuis who pointed us to various additional data and resources, including the works by Anonymous (1873), Gurau (1949), and Starr (1892).

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